\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
15781 ttcatta	t more aagt	aatgaagtat	ataacctttg	acacgtaagg	taacaatgtc
15841 gtcaactttc	attattatat	cactcctttc	taaaaaacgt	aaacgttata	cgtttcataa
15901 aatcctttat	gcatattcca	ttgttctatt	gggtcatcac	cagcaatata	agacaatatt
15961 gattctggtt					
16021 tagtttaata					
16081 gctggattcc	attgaatcag	tttattgaat	agttgcaaca	tttcagtata	ggcttgtcct
16141 ttttcttctg					
16201 tacgcgtaaa	acagaattat	gatttaaatc	ttcaatttca	tcaatgtcaa	catcataaaa
16261 tgaaatttca					
16321 aaaaacatgc	ttcaactcaa	tgttttttgt	ttcattttcc	atttttgtta	ctccttgttt
16381 tgattacata	cttagtatag	caaacgttta	aaagttttgt	caatagtttt	tcttaaaaaa
16441 gtttaaataa	ttttaaaact	actatttaat	agaagaaata	agattttaag	ttcaaatcat
16501 aattttgaat	aaaagtcaat	agatacataa	attttgtatt	tgatgaatat	gtaataggtt
16561 agataagttg	gttaagttgt	tgcacagtat	ttttaagttt	agtaaagaaa	tgataagtaa
16621 atttataagt	tttgatttgt	ataatcgttt	attttaaacc	ggtggggt	_

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1st position (5' end)	U	2nd position U C A G				
	Phe	Ser	Tyr	Cys	U	
U	Phe	Ser	Tyr	Cys	С	
•	Leu	Ser	Stop	Stop	Α	
	Leu	Ser	Stop	Trp	G	
	Leu	Pro	His	Arg	U	
C	Leu	Pro	. His	Arg	С	
•	Leu	Pro	Glń	Arg	Α	
-	Leu	Pro	` Gln	Arg	G.	
	lle	Thr	Asn	Ser	U	
Δ	lle	Thr	Asn	Ser	С	
^	lle	Thr	Lys	Arg.	Α	
	Met	Thr.	Lys	Arg	G	
	Val	Ala	Asp	Gly	U	
G	Val	Ala	Asp	Gly	С	
)	Val	Ala	Glu	Gly	Α	
	Val	Ala	Glu	Gly	G	

44AHJDORF012, Nucleotides and amino acids sequences

8391 atgaacgaagtaaaattcagatttacagactcagaagcgtttcac MNEVKFRFTDSEAFH 8436 atgtttatatacgctggggatttaaaattactctactttttattt MFIYAGDLKLLYFLF 8481 gtattaatgttcgttgatattattacaggtatttcaaaagcaatt V L M F V D I I T G I S K A I 8526 aaaaataataacttatggtcaaaaaaatcaatgagaggattttct K N N N L W S K K S M R G F S 8571 aaaaaattattgatattctgtattatcattttagcaaacatcatt K K L L I F C I I I L 'A N I I $\verb"gaccagattttacaattaaaaggtggtctactcatgattacaata"$ 76 DQILQLKGGLLMITI 8661 ttttattatattgcaaatgagggactttctattgtagaaaattgt F Y Y I A N E G L S I V E N C. 8706 gcagaaatggacgtattagtaccagaacaaattaaagataaatta A E M D V L V P E Q I K D K L 106 8751 agagtcattaaaaatgatactgaaaagagtgataacaatgaacga RVIKNDTEKSDNNER 8796 tcaagagaagatagataa 8813 136 SREDR*

44AHJDORF025, Nucleotides and amino acids sequences

Similarities with public sequences

-		
Query= pt 110882 44AHJDORF012 44AHJD_NT 8391-8813 3 1 (140 letters)		
Database: nr		
445,337 sequences; 137,034,979 total letters		
Sequences producing significant alignments:	Score (bits)	E Value
gi 140528 sp P24811 YQXH_BACSU HYPOTHETICAL 15.7 KD PROTEIN IN gi 4126631 dbj BAA36651.1 (AB016282) ORF45 [bacteriophage phi gi 141088 sp P26835 YNGD_CLOPE HYPOTHETICAL 14.9 KD PROTEIN IN gi 2293160 (AF008220) YtkC [Bacillus subtilis] >gi 2635548 emb gi 1181973 emb CAA87743.1 (Z47794) holin protein [Bacteriophag gi 4981272 gb AAD35828.1 AE001744_18 (AE001744) carboxyl-termin	76 61 36 31	6e-15 1e-13 5e-09 0.11 3.8 8.5
Query= pt 110882 44AHJDORF012 44AHJD_NT 8391-8813 3 1 (140 letters)	•	
Database: swissprot 83,367 sequences; 30,300,539 total letters		
· Ye	Score	E
Sequences producing significant alignments:		Value
sp P24811 YQXH_BACSU HYPOTHETICAL 15.7 KD PROTEIN IN SPOILIC-C sp P26835 YNGD_CLOPE HYPOTHETICAL 14.9 KD PROTEIN IN NAGH 3'RE sp P18015 COP_CLOPE COPY NUMBER PROTEIN (ORF4).	80 61 28	2e-15 1e-09 7.9
Query= pt 110899 44AHJDORF025 44AHJD_NT 14999-15175 -3 1 (58 letters)		
Database: nr 445,337 sequences; 137,034,979 total letters		
Sequences producing significant alignments:	Score (bits)	E Value
gi 1706558 sp P52869 EAEA_HAFAL INTIMIN (OUTER MEMBRANE PROTEIN	28	8.4
Query= pt 110899 44AHJDORF025 44AHJD_NT 14999-15175 -3 1 (58 letters)		
Database: swissprot 83,367 sequences; 30,300,539 total letters		
Sequences producing significant alignments:	Score (bits)	E Value
Sp P52869 EAEA_HAFAL INTIMIN (OUTER MEMBRANE PROTEIN) (ATTACHI sp Q02785 PDRC_YEAST ATP-DEPENDENT PERMEASE PDR12. sp P75252 Y350_MYCPN HYPOTHETICAL PROTEIN MG350 HOMOLOG. sp P41665 Y112_NPVAC HYPOTHETICAL 10.5 KD PROTEIN IN HE65-PK2 sp P26744 VG01_BPP22 PORTAL PROTEIN (PROTEIN GP1). sp P36542 ATPG_HUMAN ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL P sp P35435 ATPG_RAT ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL (EC	27 27 27 26 26	1.9 4.2 5.6 5.6 7.3 9.5

Physico-chemical parameters for 44AHJDORF012

1	MNEVKFRFTD	SEAFHMFIYA	GDLKLLYFLF	VLMFVDIITG	ISKAIKNNNL	WSKKSMRGFS
61	KKLLIFCIII	LANIIDQILQ	LKGGLLMITI	FYYIANEGLS	IVENCAEMDV	LVPEQIKDKL
121	RVIKNDTEKS	DNNERSREDR				

Number of amino acids:

Average molecular weight (Daltons):

Mean amino acid weight (Daltons):

Monoisotopic molecular weight (Daltons):

Mean amino acid monoisotopic weight (Daltons):

116.31

Amino acid composition

Acid	Symbol	Number	%	Average % in Swissprot	Acid	Symbol	Number	%	Average % in Swissprot
Ala	Α	6 .	4.29%	7.58%	Cys	С	2 .	1.43%	1.66%
Asp	D	9	6.43%	5.28%	Glu	E	9	6.43%	6.37%
Phe	F	10	7.14%	4.09%	Gly	G	6	4.29%	6.84%
His	H	1 .	0.71%	2.24%	Ile	I	18	12.86%	5.81%
Lys	Κ .	13	9.29%	5.95%	Leu	L	16	11.43%	9.42%
Met	M	6	4.29%	2.37%	Asn	N	10	7.14%	4.45%
Pro	P	1	0.71%	4.9%	Gln	Q	3	2.14%	3.97%
Arg	R	6	4.29%	5.16%	Ser	S	8	5.71%	7.12%
Thr	T	4	2.86%	5.67%	Val	V	7	5.00%	6.58%
Trp	W	1	0.71%	1.23%	Tyr	Y	4	2.86%	3.18%

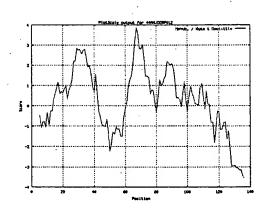
Number of acidic (negative) amino acids (ED):	18	12.86%
Number of basic (positive) amino acids (KR):	19	13.57%
Total charge (KRED):	37	26.43%
Net charge (KR - ED):	1	0.71%
Theoritical pI:	8.16	
Total linear charge density:	0.28	
Average hydrophobicity:	1.26	
Ratio of hydrophilicity to hydrophobicity:	0.92	
Percentage of hydrophilic amino acid:	45.71%	
Percentage of hydrophobic amino acid:	54.29%	,

Hydrophobicity plot

Kyte-Doolittle scale

Ala:	1.800	Arg:	-4.500	Asn:	-3.500
Asp:	-3.500	Cys:	2.500	Gly:	-0.400
Gln:	-3.500	Glu:	-3.500	His:	-3.200
Ile:	4.500	Leu:	3.800	Lys:	-3.900
Met:	1.900	Phe:	2.800	Pro:	-1.600
Ser:	-0.800	Thr:	-0.700	Trp:	-0.900
T	-1 200	***	4 200		

Ratio of %hydrophilic to %hydrophobic:



0.84

Physico-chemical parameters for 44AHJDORF025

1 MERKYKTVLL YCDEIKGHFP HQISMFEDLY DAKVVYSYYE YNLFTKKYAY IIEYIKEI

Number of amino acids:		58
Average molecular weight (Daltons):		7248.41
Mean amino acid weight (Daltons):	• .	124.97
Monoisotopic molecular weight (Daltons):		7243.60
Mean amino acid monoisotopic weight (Daltons):		124.89

Amino acid composition

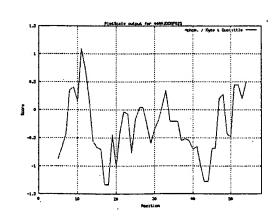
Acid	Symbol	Number	%	Average % in Swissprot	Acid	Symbol	Number	%	Average % in Swissprot
Ala	Α	2	3.45%	7.58%	Cys	С	1	1.72%	1.66%
Asp	D	3	5.17%	5.28%	Glu	Е	6	10.34%	6.37%
Phe	F	3	5.17%	4.09%	Gly	G	1	1.72%	6.84%
His	H	2	3.45%	2.24%	Ile -	I	6	10.34%	5.81%
Lys	K	7	12.07%	5.95%	Leu	L	4	6.90%	9.42%
Met	Μ .	2	3.45%	2.37%	Asn	N	1 .	1.72%	4.45%
Pro	P	1	1.72%	4.9%	Gln	Q	1	1.72%	3.97%
Arg	R	1	1.72%	5.16%	Ser	S	2	3.45%	7.12%
Thr	T	2	3.45%	5.67%	Val	V	3	5.17%	6.58%
Trp	W	0	0.00%	1.23%	Tyr	Y	10	17.24%	3.18%

Number of acidic (negative) amino acids (ED):	9	15.52%
Number of basic (positive) amino acids (KR):	8	13.79%
Total charge (KRED):	17	29.31%
Net charge (KR - ED):	-1	-1.72%
Theoritical pI:	6.08	
Total linear charge density:	0.33	
Average hydrophobicity:	-3.72	
Ratio of hydrophilicity to hydrophobicity:	1.30	
Percentage of hydrophilic amino acid:	44.83%	
Percentage of hydrophobic amino acid:	55.17%	•
Ratio of %hydrophilic to %hydrophobic:	0.81	

Hydrophobicity plot

Kyte-Doolittle scale

Ala:	1.800	Arg:	-4.500	Asn:	-3.500	
Asp:	-3.500	Cys:	2.500	Gly:	-0.400	
Gln:	-3.500	Glu:	-3.500	His:	-3.200	
Ile:	4.500	Leu:	3.800	Lys:	-3.900	
Met:	1.900	Phe:	2.800	Pro:	-1.600	
Ser:	-0.800	Thr:	-0.700	Trp:	-0.900	
Tvr:	-1.300	Val·	4 200.			



```
>gi|11094395|gb|AAG29618.1| integrase-like protein [Staphylococcus aureus]
>gi|11094394|gb|AAG29617.1|AF217235 20 Orf20 [Staphylococcus aureus]
>gi|11094393|gb|AAG29616.1|AF217235_19 Orf19 [Staphylococcus aureus]
>gi|11094392|gb|AAG29615.1|AF217235_18 Orf18 [Staphylococcus aureus]
>gi|11094391|gb|AAG29614.1|AF217235_17 Orf17 [Staphylococcus aureus]
>gi|11094390|gb|AAG29613.1|AF217235_16 Orf16 [Staphylococcus aureus]
>gi|11094389|gb|AAG29612.1|AF217235_15 Orf15 [Staphylococcus aureus] >gi|11094388|gb|AAG29611.1|AF217235_14 Orf14 [Staphylococcus aureus]
>gi|11094387|gb|AAG29610.1|AF217235_13 Orf13 [Staphylococcus aureus]
>gi|11094386|gb|AAG29609.1|AF217235_12 Orf12 [Staphylococcus aureus]
>gi|11094385|gb|AAG29608.1|AF217235_11 Orf11 [Staphylococcus aureus]
>gi|11094384|gb|AAG29607.1|AF217235_10 Orf10 [Staphylococcus aureus]
>gi|11094383|gb|AAG29606.1|AF217235_9 Orf9 [Staphylococcus aureus]
>gi|11094382|gb|AAG29605.1|AF217235_8 Orf8 [Staphylococcus aureus]
>gi|11094381|gb|AAG29604.1|AF217235_7 Orf7 [Staphylococcus aureus]
>gi|11094380|gb|AAG29603.1|AF217235_6 Orf6 [Staphylococcus aureus]
>gi|11094379|gb|AAG29602.1|AF217235_5 Orf5 [Staphylococcus aureus]
>gi|11094378|gb|AAG29601.1|AF217235_4 toxic shock syndrome toxin-1 [Staphylococcus aureus] >gi|11094377|gb|AAG29600.1|AF217235_3 Orf3 [Staphylococcus aureus]
>gi|11094376|gb|AAG29599.1|AF217235_2 staphylococcal enterotoxin C-bovine [Staphylococcus aureus]
>gi|11094375|gb|AAG29598.1|AF217235_1 sel [Staphylococcus aureus]
>gi|9944978|gb|AAG03058.1|AF288215\_{\overline{5}} response regulator [Staphylococcus aureus]
>gi|9944977|gb|AAG03057.1|AF288215_4 receptor histidine kinase [Staphylococcus aureus]
>gi|9944976|gb|AAG03056.1|AF288215_3 Agr autoinducing peptide precursor [Staphylococcus aureus]
>gi|9944975|gb|AAG03055.1|AF288215_2 putative AIP processing-secretion protein [Staphylococcus
aureusl
>gi|9944974|gb|AAG03054.1|AF288215_1 delta hemolysin [Staphylococcus aureus]
>gi|10956173|ref|NP_048342.1| ORF64 [Staphylococcus aureus]
>gi|10956172|ref|NP_048341.1| replication protein [Staphylococcus aureus]
>gi|10956170|ref|NP_048340.1| ORF64 [Staphylococcus aureus]
>gi|10956169|ref|NP_048339.1| replication protein [Staphylococcus aureus]
>gi|10956167|ref|NP_052696.1| pot. orfB (aa 1-92) (4557 is 2nd base in codon) [Staphylococcus
aureusl
>gi|10956166|ref|NP_052695.1| pot. orfA [Staphylococcus aureus]
>gi|10956165|ref|NP_052694.1| CAT gene (aa 1-215) [Staphylococcus aureus]
>gi|10956164|ref|NP_052693.1| repD (aa 1-311) (Staphylococcus aureus)
>gi|10956163|ref|NP_052692.1| unidentified reading frame [Staphylococcus aureus]
gi|10956161|ref|NP_052691.1| kanamycin nucleotidyltransferase (AA 1-253) (Staphylococcus aureus)
>gi|10956160|ref|NP_052690.1| repB polypeptide (AA 1-235) [Staphylococcus aureus]
>gi|10956158|ref|NP_052168.1| recombination protein [Staphylococcus aureus]
>gi|10956157|ref|NP_052167.1| CAT protein [Staphylococcus aureus]
>gi|10956156|ref|NP_052166.1| replication protein [Staphylococcus aureus]
>gi|10956154|ref|NP_053794.1| replication protein [Staphylococcus aureus]
>gi|10956153|ref|NP_053796.1| recombination protein [Staphylococcus aureus]
>gi|10956152|ref|NP_053795.1| tetracycline resistance protein [Staphylococcus aureus]
>gi|10956150|ref|NP_052130.1| beta-lactamase [Staphylococcus aureus]
>gi|10956148|ref|NP_052129.1| beta-lactamase [Staphylococcus aureus]
>gi|10956146|ref|NP_044360.1| tetracycline resistance protein [Staphylococcus aureus]
>gi|10956145|ref|NP_044359.1| replication protein [Staphylococcus aureus]
>gi|10956143|ref|NP_040438.1| reading frame D [Staphylococcus aureus]
>gi|10956142|ref|NP_040437.1| CAT (chloramphenicol resistance) [Staphylococcus aureus]
>gi|10956141|ref|NP_040435.1| reading frame A [Staphylococcus aureus]
>gi|10956140|ref|NP_040436.1| reading frame C (replication) [Staphylococcus aureus]
>gi|10946545|gb|AAG23889.1| TcaB [Staphylococcus aureus]
>gi|10946544|gb|AAG23888.1| TcaA [Staphylococcus aureus]
>gi|10946543|gb|AAG23887.1| TcaR [Staphylococcus aureus]
>gi|2792490|gb|AAB97073.1| coenzyme A disulfide reductase [Staphylococcus aureus]
>gi|10835501|pdb|1D2P|A Chain A, Crystal Structure Of Two B Repeat Units (B1b2) Of The Collagen
Binding Protein (Cna) Of Staphylococcus Aureus
>gi|10835500|pdb|1D20|B Chain B, Crystal Structure Of A Single B Repeat Unit (B1) Of Collagen
Binding Surface Protein (Cna) Of Staphylococcus Aureus.
>gi|10835499|pdb|1D20|A Chain A, Crystal Structure Of A Single B Repeat Unit (B1) Of Collagen
Binding Surface Protein (Cna) Of Staphylococcus Aureus.
>gi|1169372|sp|P45555|DNAJ STAAU CHAPERONE PROTEIN DNAJ (HSP40)
>gi|7672995|gb|AAF66692.1|AF144682_1 immunodominant antigen B [Staphylococcus aureus]
>gi|7672993|gb|AAF66691.1|AF144681_1 immunodominant antigen A [Staphylococcus aureus]
>gi|9955268|pdb|1QE0|B Chain B, Crystal Structure Of Apo S. Aureus Histidyl-Trna Synthetase
>gi|9955267|pdb|1QE0|A Chain A, Crystal Structure Of Apo S. Aureus Histidyl-Trna Synthetase
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>gi|9955226|pdb|1F77|B Chain B, Staphylococcal Enterotoxin H Determined To 2.4 A Resolution
>gi|9955225|pdb|1F77|A Chain A, Staphylococcal Enterotoxin H Determined To 2.4 A Resolution
>gi|9954962|pdb|1C79|B Chain B, Staphylokinase (Sak) Dimer
>gi|9954961|pdb|1C79|A Chain A, Staphylokinase (Sak) Dimer
>gi|9954960|pdb|1C78|B Chain B, Staphylokinase (Sak) Dimer
>gi|9954959|pdb|1C78|A Chain A, Staphylokinase (Sak) Dimer
>gi|9954958|pdb|1C77|B Chain B, Staphylokinase (Sak) Dimer
>gi|9954957|pdb|1C77|A Chain A, Staphylokinase (Sak) Dimer
>gi|9954956|pdb|1C76|A Chain A, Staphylokinase (Sak) Monomer
>gi|9954208|gb|AAG08983.1|AF186237_1 ABC protein VgaA variant [Staphylococcus aureus]
>gi|9937366|gb|AAG02426.1|AF290087_3 phosphomevalonate kinase [Staphylococcus aureus]
>gi|9937365|gb|AAG02425.1|AF290087_2 mevalonate diphosphate decarboxylase [Staphylococcus aureus]
>gi|9937364|gb|AAG02424.1|AF290087_1 mevalonate kinase [Staphylococcus aureus]
>gi|9937362|gb|AAG02423.1|AF290086_2 HMG-CoA reductase [Staphylococcus aureus]
>gi|9937361|gb|AAG02422.1|AF290086_1 HMG-CoA synthase [Staphylococcus aureus]
>gi|7415524|dbj|BAA93438.1| FmtB [Staphylococcus aureus]
>gi|7415419|dbj|BAA93431.1| ORF1 [Staphylococcus aureus]
>gi|7415418|dbj|BAA93430.1| FmtB [Staphylococcus aureus]
>gi|10121057|pdb|1FFY|A Chain A, Insights Into Editing From An Ile-Trna Synthetase Structure With
Trna(Ile) And Mupirocin
>gi|10041543|emb|CAC07605.1| unnamed protein product [Staphylococcus aureus]
>gi|1346939|sp|P23215|QACA_STAAU ANTISEPTIC RESISTANCE PROTEIN
>gi|119116|sp|P14319|QACC STAAU QUATERNARY AMMONIUM COMPOUND-RESISTANCE PROTEIN OACC (OUARTERNARY
AMMONIUM DETERMINANT C) (ETHIDIUM BROMIDE RESISTANCE PROTEIN) (MULTIDRUG RESISTANCE PROTEIN)
>gi|9971595|dbj|BAB12579.1| coagulase [Staphylococcus aureus]
>gi|9971593|dbj|BAB12578.1| coagulase [Staphylococcus aureus]
>gi|9971591|dbj|BAB12577.1| coagulase [Staphylococcus aureus]
>gi|9965494|gb|AAG02249.1| peptide deformylase Pdfl [Staphylococcus aureus]
>gi|9931634|gb|AAG02239.1|AF295601_1 serine protease-like exoprotein E [Staphylococcus aureus]
>gi|9931632|gb|AAG02238.1|AF295600_1 serine protease-like exoprotein A [Staphylococcus aureus]
>gi|2494147|sp|005338|PRIM_STAAU DNA PRIMASE
>gi|2492884|sp|Q53634|MENE_STAAU O-SUCCINYLBENZOIC ACID--COA LIGASE (OSB-COA SYNTHETASE) (O-
SUCCINYLBENZOATE-COA SYNTHASE)
>gi|1703465|sp|P52081|ATL_STAAU BIFUNCTIONAL AUTOLYSIN PRECURSOR [INCLUDES: N-ACETYLMURAMOYL-L-
ALANINE AMIDASE ; MANNOSYL-GLYCOPROTEIN ENDO-BETA-N-ACETYLGLUCOSAMIDASE ]
>gi|136130|sp|P19380|T431_STAAU TRANSPOSASE FOR INSERTION SEQUENCE-LIKE ELEMENT IS431MEC
gi|136126|sp|P14506|T257_STAAU TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS257 IN TRANSPOSON
TN4003
>gi|113675|sp|P24556|ALYS_STAAU AUTOLYSIN (N-ACETYLMURAMOYL-L-ALANINE AMIDASE)
>gi|9801983|gb|AAF99572.1| replication intiation protein [Staphylococcus aureus]
>gi|9801982|gb|AAF99571.1| unknown [Staphylococcus aureus]
>gi|9801981|gb|AAF99570.1| recombinase [Staphylococcus aureus]
>gi|9801980|gb|AAF99569.1| MphBM [Staphylococcus aureus]
>gi|9801979|gb|AAF99568.1| erythromycin resistance protein [Staphylococcus aureus]
>gi|9801978|gb|AAF99567.1| transposase [Staphylococcus aureus]
>gi|9801977|gb|AAF99566.1| unknown [Staphylococcus aureus]
>gi|9801976|gb|AAF99565.1| unknown [Staphylococcus aureus]
>gi|9755015|gb|AAF98155.1|AF251216_3 FhuG [Staphylococcus aureus]
>gi|9755014|gb|AAF98154.1|AF251216_2 FhuB [Staphylococcus aureus]
>gi|9755013|gb|AAF98153.1|AF251216_1 FhuC [Staphylococcus aureus]
>gi|9743649|gb|AAF97986.1| unknown [Staphylococcus aureus]
>gi|9743648|gb|AAD33530.3|AF132117_7 unknown [Staphylococcus aureus]
>gi|9743647|gb|AAD33529.3|AF132117_6 unknown [Staphylococcus aureus]
>gi|9743646|gb|AAD33527.2|AF132117_4 Fhua [Staphylococcus aureus]
>gi|9743645|gb|AAD33526.3|AF132117_3 ferrichrome transport permease [Staphylococcus aureus]
>gi|9743644|gb|AAD33524.3|AF132117_1 ferrichrome transport permease [Staphylococcus aureus]
>gi|9739161|gb|AAF97930.1|AF271715_6 serine protease SplF [Staphylococcus aureus]
>gi|9739160|gb|AAF97929.1|AF271715_5 serine protease SplE [Staphylococcus aureus]
>gi|9739159|gb|AAF97928.1|AF271715_4 serine protease SplD {Staphylococcus aureus}
>gi|9739158|gb|AAF97927.1|AF271715_3 serine protease SplC [Staphylococcus aureus]
>gi|9739157|gb|AAF97926.1|AF271715_2 serine protease SplB [Staphylococcus aureus]
>gi|9739156|gb|AAF97925.1|AF271715_1 serine protease SplA [Staphylococcus aureus]
>gi|9711569|dbj|BAB07846.1| coagulase [Staphylococcus aureus]
>gi|9711565|dbj|BAB07845.1| coagulase [Staphylococcus aureus]
>gi | 9711561 | dbj | BAB07844.1 | coagulase [Staphylococcus aureus]
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>gi|9711545|dbj|BAB07840.1| coagulase [Staphylococcus aureus]
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>gi|9711537|dbj|BAB07838.1| coagulase [Staphylococcus aureus]
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>gi|9711533|dbj|BAB07837.1| coagulase [Staphylococcus aureus]
>gi|9711528|dbj|BAB07836.1| coagulase (Staphylococcus aureus)
>gi|9711524|dbj|BAB07835.1| coagulase [Staphylococcus aureus]
>gi|9711520|dbj|BAB07834.1| coagulase [Staphylococcus aureus]
>gi|9711516|dbj|BAB07833.1| coagulase [Staphylococcus aureus]
>qi|9711512|dbj|BAB07832.1| coagulase [Staphylococcus aureus]
>gi|9711508|dbj|BAB07831.1| coagulase [Staphylococcus aureus]
>gi|9711504|dbj|BAB07830.1| coagulase [Staphylococcus aureus]
>gi|9711500|dbj|BAB07829.1| coagulase [Staphylococcus aureus]
>qi|9711496|dbj|BAB07828.1| coagulase [Staphylococcus aureus]
>gi|9711492|dbj|BAB07827.1| coagulase [Staphylococcus aureus]
>gi|9711488|dbj|BAB07826.1| coagulase [Staphylococcus aureus]
>gi|9711484|dbj|BAB07825.1| coagulase [Staphylococcus aureus]
>gi|9711480|dbj|BAB07824.1| coagulase [Staphylococcus aureus]
>gi|9622622|gb|AAF89877.1| putative site-specific recombinase XerC [Staphylococcus aureus]
>gi|9622620|gb|AAF89876.1| putative site-specific recombinase XerD [Staphylococcus aureus]
>gi|3806109|gb|AAC69195.1| HsdM-like protein [Staphylococcus aureus]
>gi|3806108|gb|AAC69194.1| exotoxin 4 [Staphylococcus aureus]
>gi|3806107|gb|AAC69193.1| exotoxin 5 [Staphylococcus aureus]
>gi|3806106|gb|AAC69192.1| exotoxin 1 [Staphylococcus aureus]
>gi|3806105|gb|AAC69191.1| exotoxin 3 [Staphylococcus aureus]
>gi|3806104|gb|AAC69190.1| exotoxin 2 [Staphylococcus aureus]
>gi|6176434|gb|AAF05589.1|AF188837 1 exotoxin 1 [Staphylococcus aureus]
>gi|6176433|gb|AAF05588.1|AF188836_1 exotoxin 1 [Staphylococcus aureus]
>gi|6176432|gb|AAF05587.1|AF188835_1 exotoxin 1 (Staphylococcus aureus)
>gi|9501795|dbj|BAB03342.1| Protein A [Staphylococcus aureus]
>gi|9501794|dbj|BAB03341.1| hyothetical protein [Staphylococcus aureus]
>gi|9501793|dbj|BAB03340.1| hypothetical protein [Staphylococcus aureus]
>gi|9501791|dbj|BAB03339.1| ABC transporter [Staphylococcus aureus]
>gi|9501790|dbj|BAB03338.1| ABC transporter [Staphylococcus aureus]
>gi|9501788|dbj|BAB03337.1| ABC transporter [Staphylococcus aureus]
>gi|9501787|dbj|BAB03336.1| ABC transporter [Staphylococcus aureus]
>gi|9501785|dbj|BAB03335.1| hypothetical protein [Staphylococcus aureus]
>gi|9501784|dbj|BAB03334.1| hypothetical protein [Staphylococcus aureus]
>gi|9501783|dbj|BAB03333.1| hypothetical protein [Staphylococcus aureus]
>gi|9501781|dbj|BAB03332.1| fructose specific permease [Staphylococcus aureus]
>gi|9501780|dbj|BAB03331.1| fructose 1-phosphate kinase [Staphylococcus aureus] >gi|9501779|dbj|BAB03330.1| fru operon repressor [Staphylococcus aureus]
>gi|9501777|dbj|BAB03329.1| hypothetical protein [Staphylococcus aureus]
>gi|9501776|dbj|BAB03328.1| acetyl-CoA c-acetyltransferase (Staphylococcus aureus)
>gi|9501775|dbj|BAB03327.1| long chain fatty acid CoA ligase (Staphylococcus aureus)
>gi|9501774|dbj|BAB03326.1| Pro/Bet transporter homolog [Staphylococcus aureus]
>gi|9501772|dbj|BAB03325.1| response regulator [Staphylococcus aureus]
>gi|9501771|dbj|BAB03324.1| histidine kinase sensor [Staphylococcus aureus]
>gi|9501770|dbj|BAB03323.1| hypothetical protein [Staphylococcus aureus]
>gi|9501769|dbj|BAB03322.1| hypothetical protein (Staphylococcus aureus)
>gi|9501768|dbj|BAB03321.1| methionin aminopeptidase [Staphylococcus aureus]
>gi|9501767|dbj|BAB03320.1| hypothetical protein [Staphylococcus aureus]
>gi[7328282|emb|CAB82465.1| catabolite control protein A [Staphylococcus aureus]
>gi|9408171|emb|CAA71131.1| ORF213 [Staphylococcus aureus]
>gi|9408170|emb|CAA71130.1| ORF133 [Staphylococcus aureus]
>gi|9408169|emb|CAA71129.1| aldehyde dehydrogenase [Staphylococcus aureus]
>gi|8895763|gb|AAF81096.1|AF228662 1 putative undecaprenol kinase [Staphylococcus aureus]
>gi|8777467|dbj|BAA97049.1| 29-kDa cell surface protein [Staphylococcus aureus]
>gi|7328286|emb|CAB82467.1| diaminopimelate decarboxylase [Staphylococcus aureus]
>gi|581546|emb|CAA36783.1| AgrB protein [Staphylococcus aureus]
>gi|581545|emb|CAA36781.1| hypothetical protein [Staphylococcus aureus]
>gi|46600|emb|CAA37901.1| putative transposase [Staphylococcus aureus]
>gi|46599|emb|CAA37900.1| putative transposase [Staphylococcus aureus]
>gi|46513|emb|CAA36786.1| hypothetical protein [Staphylococcus aureus]
>gi|46512|emb|CAA36785.1| hypothetical protein [Staphylococcus aureus]
>gi|46511|emb|CAA36784.1| AgrA protein [Staphylococcus aureus]
>gi|46509|emb|CAA36782.1| hypothetical protein [Staphylococcus aureus]
>gi|46507|emb|CAA36780.1| Hld protein [Staphylococcus aureus]
>gi|46506|emb|CAA36779.1| hypothetical protein [Staphylococcus aureus]
>gi|9256926|pdb|1D6E|C Chain C, Crystal Structure Of Hla-Dr4 Complex With Peptidomimetic And Seb
>gi|9256923|pdb|1D5Z|C Chain C, X-Ray Crystal Structure Of Hla-Dr4 Complexed With Peptidomimetic And
Seb
>gi|9256920|pdb|1D5X|C Chain C, X-Ray Crystal Structure Of Hla-Dr4 Complexed With Dipeptide Mimetic
And Seb
gi|9256852|pdb|1D5M|C Chain C, X-Ray Crystal Structure Of Hla-Dr4 Complexed With Peptide And Seb
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>qi|8569412|pdb|1DEE|H Chain H, Crystal Structure At 2.7a Resolution Of A Complex Between A
Staphylococcus Aureus Domain And A Fab Fragment Of A Human Igm Antibody
>qi|8569411|pdb|1DEE|G Chain G, Crystal Structure At 2.7a Resolution Of A Complex Between A
Staphylococcus Aureus Domain And A Fab Fragment Of A Human Igm Antibody
>gi|9246437|gb|AAF86053.1|AF210139_1 fmtA-like protein (Staphylococcus aureus)
>gi|9230553|gb|AAF85897.1|AF165314_2 putative protein histidine kinase ArlS [Staphylococcus aureus]
>gi|9230552|gb|AAF85896.1|AF165314 1 putative response regulator ArlR [Staphylococcus aureus]
>gi|9181843|gb|AAF85653.1| orfX [Staphylococcus aureus]
>qi|9181842|gb|AAF85652.1| orf1260 [Staphylococcus aureus]
>gi|9181841|gb|AAF85651.1|AF181950_8 transposase [Staphylococcus aureus]
>gi|9181840|gb|AAF85650.1|AF181950_7 alpha protein [Staphylococcus aureus]
>gi|9181839|gb|AAF85649.1|AF181950_6 beta protein [Staphylococcus aureus]
>gi|9181838|gb|AAF85648.1|AF181950_5 bleomycin resistance protein [Staphylococcus aureus]
>gi|9181837|gb|AAF85647.1|AF181950_4 kanamycin resistance protein [Staphylococcus aureus]
>gi|9181836|gb|AAF85646.1|AF181950_3 transponase [Staphylococcus aureus]
>gi|9181835|gb|AAF85645.1|AF181950_1 low afinity penicillin binding protein [Staphylococcus aureus]
>gi|3603441|gb|AAC35853.1| type b beta-lactamase [Staphylococcus aureus]
>gi|8928563|sp|P81177|AURE_STAAU ZINC METALLOPROTEINASE AUREOLYSIN PRECURSOR (STAPHYLOCOCCUS AUREUS
NEUTRAL PROTEINASE)
>gi|9049372|dbj|BAA99412.1| exfoliative toxin C [Staphylococcus aureus]
>gi|2495148|sp|Q53727|PCRA STAAU ATP-DEPENDENT DNA HELICASE PCRA
>gi|115038|sp|P00807|BLAC_STAAU BETA-LACTAMASE PRECURSOR (PENICILLINASE)
>qi|3724158|emb|CAA06500.1| lipoprotein [Staphylococcus aureus]
>gi|3724157|emb|CAA06499.1| ATP binding protein [Staphylococcus aureus]
>gi|3724156|emb|CAA06498.1| membrane protein [Staphylococcus aureus]
>gi|3724155|emb|CAA06497.1| membrane protein [Staphylococcus aureus]
>gi|8885990|gb|AAF80331.1| enterotoxin I [Staphylococcus aureus]
>gi|8648965|emb|CAB94853.1| Map-ND2C protein [Staphylococcus aureus]
>gi|8569359|pdb|1EWC|A Chain A, Crystal Structure Of Zn2+ Loaded Staphylococcal Enterotoxin H
>gi|8134803|sp|Q9ZEH3|UVRC_STAAU EXCINUCLEASE ABC SUBUNIT C
>gi|8134747|sp|Q9Z5C3|TPIS_STAAU TRIOSEPHOSPHATE ISOMERASE (TIM)
>gi|8134611|sp|Q9Z5C4|PGK_STAAU PHOSPHOGLYCERATE KINASE
>gi|8134576|sp|O86491|MURE_STAAU UDP-N-ACETYLMURAMOYLALANYL-D-GLUTAMATE--2,6-DIAMINOPIMELATE LIGASE
(UDP-N-ACETYLMURAMYL-TRIPEPTIDE SYNTHETASE) (MESO-DIAMINOPIMELATE-ADDING ENZYME) (UDP-MURNAC-
TRIPEPTIDE SYNTHETASE)
>gi|7674177|sp|Q9ZAG8|RECU_STAAU_RECOMBINATION_PROTEIN_U HOMOLOG_(PENICILLIN-BINDING_PROTEIN-RELATED
FACTOR A HOMOLOG) (PBP RELATED FACTOR A HOMOLOG)
>gi|7674147|sp|Q9Z5C9|NRDI STAAU NRDI PROTEIN
>gi|7388052|sp|086490|RF3_STAAU PEPTIDE CHAIN RELEASE FACTOR 3 (RF-3)
>gi|7387927|sp|Q9ZEH5|MUS2_STAAU MUTS2_PROTEIN
>gi|7227940|sp|P95842|RSBV STAAU ANTI-SIGMA B FACTOR ANTAGONIST
>gi|6920067|sp|P81683|EFG_STAAU ELONGATION FACTOR G (EF-G) (85 KDA VITRONECTIN BINDING PROTEIN)
>qi|6686369|sp|032418|APT STAAU ADENINE PHOSPHORIBOSYLTRANSFERASE (APRT)
>gi|6685442|sp|P56740|FOLB STAAU DIHYDRONEOPTERIN ALDOLASE (DHNA)
>gi|6651452|gb|AAF22306.1|AF189239 1 repressor of toxins Rot (Staphylococcus aureus)
>gi|6647733|sp|032419|RELA STAAU GTP PYROPHOSPHOKINASE (ATP:GTP 3'-PYROPHOSPHOTRANSFERASE) (PPGPP
SYNTHETASE I) ((P) PPGPP SYNTHETASE)
>gi|6647411|sp|Q9ZAH5|ALR STAAU ALANINE RACEMASE
>gi|6226944|sp|007322|MRAY STAAU PHOSPHO-N-ACETYLMURAMOYL-PENTAPEPTIDE-TRANSFERASE (UDP-MURNAC-
PENTAPEPTIDE PHOSPHOTRANSFERASE)
>gi|6226498|sp|005337|YSI3_STAAU HYPOTHETICAL 30.4 KDA PROTEIN IN SIGMA70 OPERON (ORF30)
>gi|6225004|sp|Q9ZAH6|ACPS STAAU HOLO-[ACYL-CARRIER PROTEIN] SYNTHASE (HOLO-ACP SYNTHASE)
>qi|3913884|sp|Q59801|HYSA_STAAU HYALURONATE LYASE PRECURSOR (HYALURONIDASE) (HYASE)
>gi|3122409|sp|033595|MURD STAAU UDP-N-ACETYLMURAMOYLALANINE--D-GLUTAMATE LIGASE (UDP-N-
ACETYLMURAMOYL-L-ALANYL-D-GLUTAMATE SYNTHETASE) (D-GLUTAMIC ACID ADDING ENZYME)
>gi|3122408|sp|031211|MURC_STAAU UDP-N-ACETYLMURAMATE--ALANINE LIGASE (UDP-N-ACETYLMURAMOYL-L-
ALANINE SYNTHETASE)
>gi|2500720|sp|006446|SECA_STAAU PREPROTEIN TRANSLOCASE SECA SUBUNIT
>gi|2499415|sp|Q59821|ODP2 STAAU DIHYDROLIPOAMIDE ACETYLTRANSFERASE COMPONENT OF PYRUVATE
DEHYDROGENASE COMPLEX (E2)
>gi|2498749|sp|Q53726|PCRB_STAAU PCRB PROTEIN
>gi|2494749|sp|Q59812|GLNA STAAU GLUTAMINE SYNTHETASE (GLUTAMATE--AMMONIA LIGASE) (GS)
>gi|2492949|sp|Q59803|AROC STAAU CHORISMATE SYNTHASE (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE
>gi|1723227|sp|P52080|YAT3_STAAU HYPOTHETICAL 16.6 KDA PROTEIN IN ATL 5 REGION (ORF3)
>gi|1723225|sp|P52079|YAT2 STAAU HYPOTHETICAL 18.3 KDA PROTEIN IN ATL 5'REGION (ORF2)
>gi|1723223|sp|P52078|YAT1 STAAU HYPOTHETICAL PROTEIN IN ATL 5'REGION (ORF1)
>gi|1709887|sp|P51183|PT1 STAAU PHOSPHOENOLPYRUVATE-PROTEIN PHOSPHOTRANSFERASE (PHOSPHOTRANSFERASE
SYSTEM, ENZYME I)
>gi|1708172|sp|P50915|HEM2_STAAU DELTA-AMINOLEVULINIC ACID DEHYDRATASE (PORPHOBILINOGEN SYNTHASE)
(ALAD) (ALADH)
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>gi|1174521|sp|P41972|SYI_STAAU ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS)
 >gi|1172890|sp|Q02350|RECA_STAAU RECA PROTEIN
 >gi|1170027|sp|P45553|GRPE STAAU GRPE PROTEIN (HSP-70 COFACTOR) (HSP20)
 >gi|729030|sp|P39862|CAPM STAAU CAPM PROTEIN
 >gi|729026|sp|P39858|CAPI_STAAU CAPI PROTEIN
 >gi|586026|sp|P02976|SPA1_STAAU IMMUNOGLOBULIN G BINDING PROTEIN A PRECURSOR (IGG BINDING PROTEIN A)
 >gi|584922|sp|Q08854|CH60_STAAU 60 KDA CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) (HEAT SHOCK
 PROTEIN 60)
 >di|461535|sp|Q05615|AROA STAAU 3-PHOSPHOSHIKIMATE 1-CARBOXYVINYLTRANSFERASE (5-
 ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE SYNTHASE) (EPSP SYNTHASE) (EPSPS)
 >qi|400202|sp|P31024|LSPA STAAU LIPOPROTEIN SIGNAL PEPTIDASE (PROLIPOPROTEIN SIGNAL PEPTIDASE)
 (SIGNAL PEPTIDASE II) (SPASE II)
 >gi|141181|sp|P03861|YP14_STAAU HYPOTHETICAL 14.6 KDA PROTEIN (READING FRAME C) (REPLICATION)
 >gi|136616|sp|P13954|TYSY_STAAU THYMIDYLATE SYNTHASE (TS) (TSASE)
 >gi|127193|sp|P02979|ERM2_STAAU RRNA ADENINE N-6-METHYLTRANSFERASE (MACROLIDE-LINCOSAMIDE-
STREPTOGRAMIN B RESISTANCE PROTEIN) (ERYTHROMYCIN RESISTANCE PROTEIN)
 >gi|125925|sp|P11100|LACD_STAAU TAGATOSE 1,6-DIPHOSPHATE ALDOLASE (TAGATOSE-BISPHOSPHATE ALDOLASE)
 (D-TAGATOSE-1, 6-BISPHOSPHATE ALDOLASE)
 >gi|125922|sp|P11099|LACC_STAAU TAGATOSE-6-PHOSPHATE KINASE (PHOSPHOTAGATOKINASE)
>gi|125919|sp|P26592|LACB STAAU GALACTOSE-6-PHOSPHATE ISOMERASE LACB SUBUNIT
 >gi|123185|sp|P01506|HLD STAAU DELTA-HEMOLYSIN PRECURSOR (DELTA-TOXIN)
 >gi|120457|sp|P14738|FNBA_STAAU FIBRONECTIN-BINDING PROTEIN PRECURSOR (FNBP)
 >gi|113525|sp|P21545|AGRB_STAAU ACCESSORY GENE REGULATOR PROTEIN B
 >gi|8101860|gb|AAF72664.1|AF259960_1 major cold shock protein CspA [Staphylococcus aureus]
 >gi|8099634|gb|AAF72185.1|AF255950_1 AgrD signal peptide precursor [Staphylococcus aureus]
 >gi|7959131|dbj|BAA95959.1| secretory protein SAI-B [Staphylococcus aureus]
 >gi|7670327|dbj|BAA95014.1| TagG homolog [Staphylococcus aureus]
 >gi|7670326|dbj|BAA95013.1| TagH homolog [Staphylococcus aureus]
 >gi|7670325|dbj|BAA95012.1| TagA homolog [Staphylococcus aureus]
 >gi|7670324|dbj|BAA95011.1| staphylokinase [Staphylococcus aureus]
 >gi|7670323|dbj|BAA95010.1| hypothetical protein [Staphylococcus aureus]
 >gi|7670322|dbj|BAA95009.1| KdpC homolog [Staphylococcus aureus]
 >gi|7670321|dbj|BAA95008.1| KdpB homolog [Staphylococcus aureus]
>gi|7670320|dbj|BAA95007.1| KdpA homolog [Staphylococcus aureus]
 >gi|7839534|gb|AAF70313.1|AF260326 2 SrrB [Staphylococcus aureus]
 >gi|7839533|gb|AAF70312.1|AF260326_1 SrrA [Staphylococcus aureus]
 >gi|7767013|pdb|1ENF|A Chain A, Crystal Structure Of Staphylococcal Enterotoxin H Determined To 1.69
 >gi|3401995|pdb|2SPZ|A Chain A, Staphylococcal Protein A, Z-Domain, Nmr, 10 Structures
 >gi|1280354|gb|AAA98144.1| ORFA [Staphylococcus aureus]
 >gi|7594777|dbj|BAA82240.2| ORF CN050 [Staphylococcus aureus]
 >gi|7594776|dbj|BAA82239.2| ORF CN049 [Staphylococcus aureus]
 >gi[7594775|dbj[BAA82233.2] ORF NO65 [Staphylococcus aureus]
>gi|7594774|dbj|BAA82227.2| ORF CN041 [Staphylococcus aureus]
 >gi|7594773|dbj|BAA82226.2| ORF CN040 [Staphylococcus aureus]
 >gi|7594772|dbj|BAA82223.2| ORF N060 [Staphylococcus aureus]
 >gi|7594771|dbj|BAA82222.2| ORF CN038 [Staphylococcus aureus]
>gi|7594770|dbj|BAA94664.1| ORF NO57 [Staphylococcus aureus]
 >gi|7594769|dbj|BAA82219.2| methicillin resistance protein MecR1 [Staphylococcus aureus]
>gi|7594768|dbj|BAA82208.2| ORF NO51 [Staphylococcus aureus]
 >gi|7594767|dbj|BAA82207.2| ORF N050 [Staphylococcus aureus]
>qi|7594766|dbj|BAA82206.2| ORF NO49 [Staphylococcus aureus]
>gi|7594765|dbj|BAA94663.1| ORF NO43 [Staphylococcus aureus]
>gi|7594764|dbj|BAA94662.1| ORF NO42 [Staphylococcus aureus]
>gi|7594763|dbj|BAA94661.1| ORF NO41 [Staphylococcus aureus]
 >gi|7594762|dbj|BAA94660.1| ORF NO39 [Staphylococcus aureus]
>gi|7594761|dbj|BAA94659.1| ORF NO38 [Staphylococcus aureus]
>gi|7594760|dbj|BAA94658.1| ORF NO33 [Staphylococcus aureus]
>gi|7594759|dbj|BAA94657.1| ORF NO32 [Staphylococcus aureus]
>gi|7594758|dbj|BAA94656.1| ORF NO31 [Staphylococcus aureus]
>gi|7594757|dbj|BAA94655.1| ORF NO30 [Staphylococcus aureus]
>gi|7594756|dbj|BAA94654.1| ORF NO29 [Staphylococcus aureus]
>gi|7594755|dbj|BAA82191.2| ORF CN018 [Staphylococcus aureus]
>gi|7594754|dbj|BAA94653.1| ORF NO24 [Staphylococcus aureus]
>gi|7594753|dbj|BAA82189.2| ORF CN017 [Staphylococcus aureus]
>gi|7594752|dbj|BAA82178.2| ORF CN007 (Staphylococcus aureus)
>gi|7594751|dbj|BAA94652.1| ORF NO10 [Staphylococcus aureus]
>gi|7594750|dbj|BAA94651.1| ORF NOO9 [Staphylococcus aureus]
>gi|7594749|dbj|BAA94650.1| ORF NOO8 [Staphylococcus aureus]
>gi|7594748|dbj|BAA94649.1| ORF NOO7 [Staphylococcus aureus]
>gi|7594747|dbj|BAA82176.2| ORF CN005 [Staphylococcus aureus]
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>gi|7594746|dbj|BAA94648.1| ORF N004 [Staphylococcus aureus]
>gi|7594745|dbj|BAA94647.1| ORF CN004 [Staphylococcus aureus]
>gi|7594744|dbj|BAA82175.2| ORF CN003 [Staphylococcus aureus]
>gi|7594743|dbj|BAA82173.2| ORF CN002 [Staphylococcus aureus]
>gi|7594742|dbj|BAA82171.2| ORF CN001 [Staphylococcus aureus]
>gi|7592634|dbj|BAA94340.1| hypothetical protein [Staphylococcus aureus]
>gi|7592633|dbj|BAA94339.1| hypothetical protein [Staphylococcus aureus]
>gi|7592632|dbj|BAA94338.1| hypothetical protein [Staphylococcus aureus]
>gi|7592631|dbj|BAA94337.1| hypothetical protein [Staphylococcus aureus]
>gi|7592630|dbj|BAA94336.1| hypothetical protein [Staphylococcus aureus]
>gi|7592629|dbj|BAA94335.1| hypothetical protein [Staphylococcus aureus]
>gi|7592628|dbj|BAA94334.1| hypothetical protein [Staphylococcus aureus]
>gi|7592627|dbj|BAA94333.1| hypothetical protein [Staphylococcus aureus]
>gi|7592626|dbj|BAA94332.1| hypothetical protein [Staphylococcus aureus]
>gi|7592625|dbj|BAA94331.1| hypothetical protein [Staphylococcus aureus]
>gi|7592624|dbj|BAA94330.1| hypothetical protein [Staphylococcus aureus]
>gi|7592623|dbj|BAA94329.1| hypothetical protein [Staphylococcus aureus]
>gi|7592622|dbj|BAA94328.1| hypothetical protein [Staphylococcus aureus]
>gi|7592621|dbj|BAA94327.1| hypothetical protein [Staphylococcus aureus]
>gi|7592620|dbj|BAA94326.1| hypothetical protein [Staphylococcus aureus]
>gi|7592619|dbj|BAA94325.1| hypothetical protein [Staphylococcus aureus]
>gi|7592618|dbj|BAA86646.3| hypothetical protein [Staphylococcus aureus]
>gi|7592617|dbj|BAA94324.1| hypothetical protein [Staphylococcus aureus]
>gi|7592616|dbj|BAA94323.1| hypothetical protein [Staphylococcus aureus]
>gi|7592615|dbj|BAA94322.1| hypothetical protein [Staphylococcus aureus]
>gi|7592614|dbj|BAA86640.2| hypothetical protein [Staphylococcus aureus]
>gi|7592613|dbj|BAA94321.1| hypothetical protein [Staphylococcus aureus]
>gi|7592612|dbj|BAA94320.1| hypothetical protein [Staphylococcus aureus]
>gi|7592611|dbj|BAA94319.1| hypothetical protein [Staphylococcus aureus]
>gi|7592610|dbj|BAA94318.1| hypothetical protein [Staphylococcus aureus]
>gi|7592609|dbj|BAA94317.1| hypothetical protein [Staphylococcus aureus]
>gi|7592608|dbj|BAA94316.1| hypothetical protein [Staphylococcus aureus]
>gi|7592607|dbj|BAA94315.1| hypothetical protein [Staphylococcus aureus]
>gi|7592606|dbj|BAA94314.1| hypothetical protein [Staphylococcus aureus]
>gi|6332771|dbj|BAA86653.1| open reading frame X [Staphylococcus aureus]
>gi|6332770|dbj|BAA86652.1| transposase [Staphylococcus aureus]
>gi|6332769|dbj|BAA86651.1| glycerophosphoryl diester phosphodiesterase homologue (Staphylococcus
>gi|6332768|dbj|BAA86650.1| penicillin-binding protein 2' [Staphylococcus aureus]
>gi|6332767|dbj|BAA86649.1| hypothetical protein [Staphylococcus aureus]
>gi|6332766|dbj|BAA86648.1| cassette chromosome recombinase A1 [Staphylococcus aureus]
>gi|6332765|dbj|BAA86647.1| hypothetical protein [Staphylococcus aureus]
>gi|6332763|dbj|BAA86645.1| hypothetical protein [Staphylococcus aureus]
>gi|6332762|dbj|BAA86644.1| hypothetical protein [Staphylococcus aureus]
>gi|6332759|dbj|BAA86641.1| hypothetical protein [Staphylococcus aureus]
>gi|6332757|dbj|BAA86639.1| hypothetical protein [Staphylococcus aureus]
>gi|6332756|dbj|BAA86638.1| hypothetical protein [Staphylococcus aureus]
>gi|6332755|dbj|BAA86637.1| hypothetical protein [Staphylococcus aureus]
>gi|6332754|dbj|BAA86636.1| hypothetical protein [Staphylococcus aureus]
>gi|6332753|dbj|BAA86635.1| hypothetical protein [Staphylococcus aureus]
>gi|6332752|dbj|BAA86634.1| hypothetical protein [Staphylococcus aureus]
>gi|6332751|dbj|BAA86633.1| hypothetical protein [Staphylococcus aureus]
>gi|6332750|dbj|BAA86632.1| hypothetical protein [Staphylococcus aureus]
>gi|5360873|dbj|BAA82243.1| orfX [Staphylococcus aureus]
>gi|5360868|dbj|BAA82238.1| transposase for insertion sequence-like element IS431mec [Staphylococcus
>gi|5360864|dbj|BAA82234.1| plasmid recombination enzyme [Staphylococcus aureus]
>gi|5360860|dbj|BAA82230.1| bleomycin resistance protein(BRP) [Staphylococcus aureus]
>gi|5360859|dbj|BAA82229.1| kanamycin nucleotidyltransferase [Staphylococcus aureus]
>gi|5360858|dbj|BAA82228.1| transposase for insertion sequence-like element IS431mec [Staphylococcus
>gi|5360854|dbj|BAA82224.1| glycerophosphoryldiester phosphodiesterase [Staphylococcus aureus]
>gi|5360851|dbj|BAA82221.1| ORF NO59 [Staphylococcus aureus]
>gi|5360850|dbj|BAA82220.1| penicillin binding protein 2' [Staphylococcus aureus]
>gi|5360848|dbj|BAA82218.1| methicillin resistance protein MecI [Staphylococcus aureus]
>gi|5360847|dbj|BAA82217.1| ORF CN035 [Staphylococcus aureus]
>gi|5360842|dbj|BAA82212.1! ORF CN032 [Staphylococcus aureus]
>gi|5360841|dbj|BAA82211.1| ORF NO52 [Staphylococcus aureus]
>gi|5360840|dbj|BAA82210.1| ORF CN031 [Staphylococcus aureus]
>gi|5360839|dbj|BAA82209.1| ORF CN030 [Staphylococcus aureus]
>gi|5360835|dbj|BAA82205.1| rRNA adenine N-6-methyltransferase [Staphylococcus aureus]
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>gi|5360834|dbj|BAA82204.1| adenyltransferase(AAD9) [Staphylococcus aureus]
>gi|5360833|dbj|BAA82203.1| transposaseC [Staphylococcus aureus]
>gi|5360832|dbj|BAA82202.1| transposaseB [Staphylococcus aureus]
>gi|5360831|dbj|BAA82201.1| transposaseA [Staphylococcus aureus]
>gi|5360826|dbj|BAA82196.1| site-specific recombinase [Staphylococcus aureus]
>gi|5360824|dbj|BAA82194.1| site-specific recombinase [Staphylococcus aureus]
>gi|5360818|dbj|BAA82188.1| KDP operon transcriptional regulatory protein KdpE [Staphylococcus
>gi|5360811|dbj|BAA82181.1| potassium-transporting ATPase(B chanin) [Staphylococcus aureus]
>gi|5360804|dbj|BAA82174.1| ORF NO03 [Staphylococcus aureus]
>gi|5360802|dbj|BAA82172.1| ORF N002 [Staphylococcus aureus]
>gi|5360800|dbj|BAA82170.1| ORF NO01 [Staphylococcus aureus]
>gi|551990|gb|AAA63529.1| dihydrolipoamide dehydrogenase E2 subunit [Staphylococcus aureus]
>gi|152996|gb|AAA63531.1| dihydrolipoamide acetyltransferase E3 subunit [Staphylococcus aureus]
>qi|152995|qb|AAA63530.1| dihydrolipoamide acetyltransferase E2 subunit [Staphylococcus aureus]
>gi|577647|dbj|BAA07714.1| gamma-hemolysin [Staphylococcus aureus]
>gi|7548684|gb|AAF23273.2|AF101263_3 ABC transporter MreB [Staphylococcus aureus]
>gi|6682106|gb|AAF23274.1|AF101263_4 zinc uptake regulation protein homolog Zur [Staphylococcus
>gi|6682104|gb|AAF23272.1|AF101263_2 ABC transporter MreA [Staphylococcus aureus]
>gi|6682103|gb|AAF23271.1|AF101263_1 probable endonuclease IV [Staphylococcus aureus]
>gi|4325247|gb|AAD17309.1| superoxide dismutase SodA [Staphylococcus aureus]
>gi|7532837|gb|AAF63254.1|AF203377_2 replication initiation protein [Staphylococcus aureus]
>gi|7532836|gb|AAF63253.1|AF203377_1 replication-associated protein [Staphylococcus aureus]
>gi|7532834|gb|AAF63252.1|AF203376_2 replication initiation protein [Staphylococcus aureus]
>gi|7532833|gb|AAF63251.1|AF203376_1 replication-associated protein [Staphylococcus aureus]
>gi|7328260|emb|CAA73981.1| hypothetical protein [Staphylococcus aureus]
>gi|7328259|emb|CAA73980.1| hypothetical protein [Staphylococcus aureus]
>gi|7328258|emb|CAA73979.1| protein kinase [Staphylococcus aureus]
>gi|7328257|emb|CAA73978.1| hypothetical protein [Staphylococcus aureus]
>gi|510692|gb|AAA19777.1| enterotoxin H [Staphylococcus aureus]
>gi|7522176|pir||JC7119 Drp35 protein - Staphylococcus aureus
>gi|7470968|pir||S68971 hypothetical protein - Staphylococcus aureus
>gi|7470967|pir||JC5470 hypothetical 29.1K protein - Staphylococcus aureus
>gi|7470966|pir||T28680 fibrinogen-binding protein homolog - Staphylococcus aureus
>gi|7470965|pir||T28679 fibrinogen-binding protein homolog - Staphylococcus aureus
>gi|7470964|pir||T10908 DNA-directed RNA polymerase (EC 2.7.7.6) beta' chain - Staphylococcus aureus
>gil7470963|pir||S68731 bleomycin-binding protein - Staphylococcus aureus (fragment)
>gi|7451888|pir||S68970 triacylglycerol lipase (EC 3.1.1.3) precursor - Staphylococcus aureus
>gi|7451316|pir||JC5468 leukocidin chain lukM precursor - Staphylococcus aureus
>gi|7451314|pir||JC5469 Panton-Valentine leukocidin LukF-PV chain precursor - Staphylococcus aureus
>gi|7447124|pir||T10903 acetyltransferase (EC 2.3.1.-) vatB - Staphylococcus aureus
>gi|7443657|pir||JC5607 replication initiation protein dnaA - Staphylococcus aureus
>gi|2145582|pir||S68609 recombinase Sin - Staphylococcus aureus plasmid pSK1
>gi|2145581|pir||S66426 plasmin-sensitive surface protein - Staphylococcus aureus (fragments)
>gi|2126585|pir||PN0638 vgh protein - Staphylococcus aureus
>gi|2126584|pir||JC4555 serine-type D-Ala-D-Ala carboxypeptidase (EC 3.4.16.4) - Staphylococcus
>gi|2126583|pir||JC4511 pyroglutamyl-peptidase I (EC 3.4.19.3) - Staphylococcus aureus
>gi|2126582|pir||S59955 hypothetical protein 202 - Staphylococcus aureus
>gi|2126581|pir||A55598 hypothetical protein 1 - Staphylococcus aureus (fragment)
>gi|2126580|pir||A53381 hypothetical protein (femC region) - Staphylococcus aureus (fragment)
>gi|2126579|pir||PC4078 hlgC-like protein precursor - Staphylococcus aureus
>gi|2126575|pir||S69209 alpha-toxin precursor - Staphylococcus aureus
>gi|2126574|pir||PQ0040 agrD protein - Staphylococcus aureus
>gi|2126573|pir||S58480 agrC protein - Staphylococcus aureus
>gi|2126572|pir||JC4554 ABC-type transporter homolog - Staphylococcus aureus
>gi|2119993|pir||C40585 recF protein - Staphylococcus aureus
>gi|1363415|pir||S58483 hypothetical protein 8 - Staphylococcus aureus (fragment)
>gi|1363412|pir||JC4282 gamma-hemolysin II precursor - Staphylococcus aureus
>gi||1363410|pir||S49412 fibrinogen-binding protein precursor - Staphylococcus aureus
>gi|1363398|pir||S55767 replication initiator repU - Staphylococcus aureus plasmid pUBl10 (fragment)
>gi|1361357|pir||S57202 vitronectin-binding surface protein - Staphylococcus aureus (fragment)
>gi|1361356|pir||B56976 transfer protein complex trsJ - Staphylococcus aureus
>gi|1361355|pir||F56976 transfer complex protein TrsO' - Staphylococcus aureus
>gi|1361354|pir||A36891 transfer complex protein TrsN - Staphylococcus aureus plasmid pGO1
>gi|1361353|pir||E56976 transfer complex protein TrsM - Staphylococcus aureus
>gi|1361352|pir||D56976 transfer complex protein trsL - Staphylococcus aureus
>gi|1361351|pir||C56976 transfer complex protein TrsK - Staphylococcus aureus
>gi|1361349|pir||I36891 transfer complex protein TrsH - Staphylococcus aureus
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>gi|1361348|pir||H36891 transfer complex protein TrsG - Staphylococcus aureus
>gi|1361347|pir||G36891 transfer complex protein TrsF - Staphylococcus aureus
>gi|1361346|pir||F36891 transfer complex protein TrsE - Staphylococcus aureus
>gi||1361345|pir||E36891 transfer complex protein TrsD - Staphylococcus aureus
>gi|1361344|pir||D36891 transfer complex protein TrsC - Staphylococcus aureus
>gi||1361343|pir||C36891 transfer complex protein TrsB - Staphylococcus aureus
>gi|1361342|pir||B36891 transfer complex protein TrsA - Staphylococcus aureus
>gi|1361341|pir||S58708 neutral phosphatase - Staphylococcus aureus (ATCC 25923) (fragment)
>gi|1361340|pir||A55856 11m protein - Staphylococcus aureus
>gi|1085937|pir||S42241 hypothetical protein 5 - Staphylococcus aureus plasmid pNS1
>gi|1085933|pir||S42240 hypothetical protein 4 - Staphylococcus aureus plasmid pNS1
>gi|1085928|pir||S42239 hypothetical protein 3 - Staphylococcus aureus plasmid pNS1
>gi|1085919|pir||S42237 hypothetical protein 2 - Staphylococcus aureus plasmid pNS1
>gi|1084189|pir||S54709 hypothetical protein 81 - Staphylococcus aureus
>gi|1075673|pir||S49271 hlgA-like protein precursor - Staphylococcus aureus
>gi|1075672|pir||S52267 DNA polymerase III - Staphylococcus aureus
>gi|1075671|pir||B55548 crtN protein - Staphylococcus aureus
>gi|1075670|pir||A55548 crtM protein - Staphylococcus aureus
>gi|1075668|pir||JC2527 alkaline shock protein - Staphylococcus aureus
>gi|628922|pir||S43693 penicillin-binding protein 2 - Staphylococcus aureus
>gi|543692|pir||S42238 tetracyclin resistance protein - Staphylococcus aureus plasmid pNS1
>gi|541341|pir||S42926 hypothetical membrane spanning protein - Staphylococcus aureus
>gi|541340|pir||S42925 probable transport protein - Staphylococcus aureus
>gi|541339|pir||S39922 pcrB protein - Staphylococcus aureus
>gi|541336|pir||S41539 fibrinogen-binding protein - Staphylococcus aureus
>gi|541335|pir||A48620 adhesin - Staphylococcus aureus (fragment)
>gi|538880|pir||B24362 chloramphenicol O-acetyltransferase leader peptide - Staphylococcus aureus
plasmid pUB112
>gi|484391|pir||JN0627 leukocidin chain F precursor - Staphylococcus aureus
>gi|484390|pir||JN0626 leukocidin chain S precursor - Staphylococcus aureus
>gi|484389|pir||JN0625 gamma-hemolysin chain II precursor - Staphylococcus aureus
>gi|482713|pir||A61069 replication protein REP - Staphylococcus aureus plasmid pOX1000
>gi|482669|pir||A60998 replication protein REP - Staphylococcus aureus plasmid pOX2000
>gi|481955|pir||S40262 hypothetical protein C - Staphylococcus aureus
>gi|481954|pir||S40261 hypothetical protein B - Staphylococcus aureus
>gi|479952|pir||S35697 leukocidin chain F - Staphylococcus aureus
>gi|478296|pir||JN0822 acetyltransferase (EC 2.3.1.-) - Staphylococcus aureus
>gi|478043|pir||C49238 gamma-hemolysin component, HlgC - Staphylococcus aureus
>gi|477912|pir||B49238 gamma-hemolysin gamma 2 component, HlgB - Staphylococcus aureus
>gi|477911|pir||B49234 leucocidin R, component F - Staphylococcus aureus
>gi|477585|pir||A49234 leucocidin R S component - Staphylococcus aureus
>gi|421397|pir||$11782 regulatory protein blaI - Staphylococcus aureus plasmids
>gi|421395|pir||S11780 probable transposase - Staphylococcus aureus transposon Tn552
>gi|421394|pir||S11781 DNA-invertase - Staphylococcus aureus transposon Tn552
>gi|421393|pir||S11779 probable ATP-binding protein - Staphylococcus aureus transposon Tn552
>gi|421390|pir||JN0601 heat shock protein 60 - Staphylococcus aureus
>gi|421389|pir||JN0600 heat shock protein 10 - Staphylococcus aureus
>gi|421388|pir||S32419 gamma-hemolysin chain H gamma II - Staphylococcus aureus
>gi|421387|pir||S34270 fibrinogen-binding protein - Staphylococcus aureus
>gi|421386|pir||S34269 fibrinogen-binding protein - Staphylococcus aureus
>gi|421383|pir||S34444 blaZ protein - Staphylococcus aureus plasmid pI258 (fragment)
>gi|421379|pir||S34447 binR protein - Staphylococcus aureus plasmid pI258 (fragment)
>gi|322083|pir||S32211 leucocidin chain S - Staphylococcus aureus
>gi|322082|pir||S32212 leucocidin chain F - Staphylococcus aureus
>gi|320485|pir||A60633 tetracycline resistance protein - Staphylococcus aureus (strain MRSA101)
>gi|320484|pir||A37389 repN protein - Staphylococcus aureus plasmid pCW7
>gi|320483|pir||C60634 probable transposase - Staphylococcus aureus insertion sequence IS257-3
>gi|320482|pir||B60634 probable transposase - Staphylococcus aureus insertion sequence IS257-2
>gi|320481|pir||A60634 probable transposase - Staphylococcus aureus insertion sequence IS257-1
>gi|320480|pir||A60757 enterotoxin C-1 - Staphylococcus aureus (fragments)
>gi|282254|pir||A41903 recombinase homolog - Staphylococcus aureus (fragment)
>gi|282253|pir||F42721 recombination protein recA - Staphylococcus aureus (fragment)
>gi|282251|pir||S28101 hypothetical protein 2 - Staphylococcus aureus plasmid pC223
>gi|282250|pir||S28102 rlx protein - Staphylococcus aureus plasmid pC223
>gi|282249|pir||S26352 hypothetical protein - Staphylococcus aureus transposon Tn4001
>gi|282243|pir||A42404 collagen adhesin - Staphylococcus aureus
>gi|282241|pir||E41903 recombinase Bin3 - Staphylococcus aureus (fragment)
>gi|282237|pir||526353 aminoglycoside resistance protein aacA-aphD - Staphylococcus aureus
transposon Tn4001
>gi|282236|pir||A43848 cell surface adhesin for heparan sulfate, 66K - Staphylococcus aureus
(fragment)
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>gi|282235|pir||B43848 cell surface adhesin for heparan sulfate, 60K - Staphylococcus aureus
(fragment)
>gi!280218|pir||A60450 hypothetical protein att155 - Staphylococcus aureus (fragment)
>gi|280217|pir||A44506 lactose operon repressor lacR - Staphylococcus aureus
>gi|97855|pir||JC1204 vgA protein - Staphylococcus aureus
>gi|97854|pir||S12706 type II site-specific deoxyribonuclease (EC 3.1.21.4) Sau96I - Staphylococcus
aureus
>gi|97850|pir||A41511 staphylocoagulase precursor - Staphylococcus aureus (strain BB)
>gi|97847|pir||JQ0759 restriction endonuclease (EC 3.1.-.-) - Staphylococcus aureus
>gi|97846|pir||S09566 repB protein - Staphylococcus aureus plasmid pBD64
>gi|97844|pir||B36242 quinolone resistance protein norA8736 - Staphylococcus aureus plasmid pMR8736
(fragment)
>gi|97843|pir||S12394 probable transport protein qacA - Staphylococcus aureus plasmid pSK1
>gi|97838|pir||S12093 probable transposase - Staphylococcus aureus insertion sequence IS431mec
>qi|97836|pir||A36242 norA209 protein - Staphylococcus aureus plasmid pSA209 (fragment)
>gi|97835|pir||A37838 norA protein - Staphylococcus aureus
>gi|97834|pir||S09565 neomycin resistance protein - Staphylococcus aureus plasmid pBD64
>gi|97831|pir||JQ0773 penicillin-binding protein mecA, low-affinity - Staphylococcus aureus
>gi|97830|pir||S19207 leucocidin R component F precursor - Staphylococcus aureus
>gi|97829|pir||A30471 hypothetical protein rep - Staphylococcus aureus plasmid pSK89
>gi|97828|pir||B30471 hypothetical protein cop - Staphylococcus aureus plasmid psk89
>gi|97824|pir||S20793 hypothetical protein 5 - Staphylococcus aureus
>gi|97820|pir||S12393 hypothetical protein (qacA 5' region) - Staphylococcus aureus plasmid pSK1
>gi|97819|pir||S14179 hypothetical protein 140 - Staphylococcus aureus
>gi|97815|pir||B38158 galactose-6-phosphate isomerase 19K chain - Staphylococcus aureus
>gi|97814|pir||A38158 galactose-6-phosphate isomerase (EC 5.1.3.-) 15K chain - Staphylococcus aureus
>gi|97813|pir||S19702 fibronectin-binding protein B - Staphylococcus aureus
>gi|97812|pir||A32192 fibronectin-binding protein - Staphylococcus aureus
>gi|97804|pir||S16509 DNA-invertase - Staphylococcus aureus transposon Tn552
>gi|97795|pir||S09246 coagulase precursor - Staphylococcus aureus (strain 8325-4)
>gi|97793|pir||C34643 cathepsin E (EC 3.4.23.34) - Staphylococcus aureus (fragments)
>gi|97788|pir||S09385 DNA-invertase homolog bin3 - Staphylococcus aureus transposon Tn555
>gi|97786|pir||S15324 beta-hemolysin - Staphylococcus aureus
>gi|97783|pir||B41589 40K elastin-binding protein - Staphylococcus aureus (fragment)
>gi|97782|pir||A41589 25K elastin-binding protein - Staphylococcus aureus (fragment)
>gi|80324|pir||A24456 kanamycin nucleotidyltransferase (EC 2.7.7.-) - Staphylococcus aureus plasmid
pUB110
>gi|79917|pir||S06782 tryptophan synthase (EC 4.2.1.20) - Staphylococcus aureus (fragment)
>gi|79916|pir||A24545 triacylglycerol lipase (EC 3.1.1.3) - Staphylococcus aureus
>gi|79915|pir||C24584 transposition regulatory protein tnpC - Staphylococcus aureus transposon Tn554
>gi|79914|pir||B24584 transposition regulatory protein tnpB - Staphylococcus aureus transposon Tn554
>gi|79913|pir||A24584 transposition regulatory protein tnpA - Staphylococcus aureus transposon Tn554
>gi|79912|pir||S04166 transposase 2 - Staphylococcus aureus transposon Tn4003
>gi|79911|pir||S04162 transposase 1 - Staphylococcus aureus transposon Tn4003
>gi[79910|pir||JS0296 transposase - Staphylococcus aureus
>gi|79906|pir||S06744 staphylocoagulase precursor - Staphylococcus aureus
>gi|79905|pir||A25620 staphylocoagulase - Staphylococcus aureus (fragment)
>gi|79903|pir||S00935 rlx protein - Staphylococcus aureus plasmid pS194
>gi|79902|pir||A29827 replication protein REP - Staphylococcus aureus plasmids
>gi|79901|pir||S00909 replication initiation protein - Staphylococcus aureus plasmid pC223
>gi|79900|pir||A30480 repJ protein - Staphylococcus aureus plasmid pC223
>gi|79899|pir||JT0372 repI protein - Staphylococcus aureus plasmid pUB112
>gi|79898|pir||S00937 repE protein - Staphylococcus aureus plasmid pS194
>gi|79896|pir||A29605 protein A precursor - Staphylococcus aureus (strain Cowan 1)
>gi|79894|pir||S20576 probable regulatory protein mecI - Staphylococcus aureus
>gi|79891|pir||B28474 phosphotransferase system enzyme II (EC 2.7.1.69), lactose-specific, factor II
- Staphylococcus aureus
>gi|79887|pir||JQ1147 N-acetylmuramoyl-L-alanine amidase (EC 3.5.1.28) - Staphylococcus aureus
>gi|79886|pir||JQ1439 multidrug resistance protein - Staphylococcus aureus plasmids
>gi|79884|pir||G29504 hypothetical 20K protein (mer regulatory region) - Staphylococcus aureus
plasmid pI258
>gi|79883|pir||C29504 hypothetical 24K protein (mer operon) - Staphylococcus aureus plasmid pI258
>gi|79882|pir||B29504 hypothetical 18K protein (mer operon) - Staphylococcus aureus plasmid pI258
>gi|79881|pir||A29504 hypothetical 16K protein (mer operon) - Staphylococcus aureus plasmid pI258
>gil79880|pir||D29504 hypothetical 14K protein (mer operon) - Staphylococcus aureus plasmid pI258
>gi|79879|pir||S20575 mecR1 protein - Staphylococcus aureus
>gi|79877|pir||A31901 lincomycin resistance protein linA' - Staphylococcus aureus (strain BM4611)
>gi|79875|pir||JQ1530 leukocidin chain F precursor - Staphylococcus aureus
>gi|79874|pir||S04359 lacD protein - Staphylococcus aureus
>gi|79871|pir||S00936 hypothetical protein D - Staphylococcus aureus plasmid pS194
>gi|79869|pir||S15767 hypothetical protein 2 (hlb 3' region) - Staphylococcus aureus (fragment)
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>gi|79868|pir||S15765 hypothetical protein 1 (hlb 5' region) - Staphylococcus aureus (fragment)
>gi|79867|pir||F24584 hypothetical protein - Staphylococcus aureus transposon Tn554
>gi|79866|pir||S04165 hypothetical protein - Staphylococcus aureus plasmid pSK1 transposon Tn4003
>gi|79865|pir||S06784 hypothetical protein (femA 3' region) - Staphylococcus aureus
>gi|79864|pir||B32561 cadC protein - Staphylococcus aureus plasmid pI258
>gi|79863|pir||A41652 probable glycerophosphodiester phosphodiesterase (EC 3.1.4.46).-
Staphylococcus aureus
>gi|79862|pir||S06783 femA protein - Staphylococcus aureus
>gi|79857|pir!|JG0016 epidermal cell differentiation inhibitor precursor - Staphylococcus aureus
>gi|79843|pir||JQ0387 agrB protein - Staphylococcus aureus
>gi|79842|pir||A32357 accessory gene regulatory protein agrA - Staphylococcus aureus
>gi|7437965|pir||JC6560 UDP-N-acetylmuramoylalanine--D-glutamate ligase (EC 6.3.2.9) -
Staphylococcus aureus
>gi|7434769|pir||S34442 transcription initiation factor sigma plaC - Staphylococcus aureus
>gi|2144945|pir||QVSAA protein A precursor - Staphylococcus aureus
>gi|2144683|pir||ENSAC1 enterotoxin C-1 precursor - Staphylococcus aureus
>gi|2144682|pir||ENSAB6 enterotoxin B precursor - Staphylococcus aureus
>gi|2126578|pir||S54426 DNA topoisomerase (ATP-hydrolyzing) (EC 5.99.1.3) chain B - Staphylococcus
>gi|2126577|pir||S54427 gyrase-like protein alpha chain - Staphylococcus aureus
>gi|2126576|pir||S59956 DNA-directed RNA polymerase (EC 2.7.7.6) beta' chain - Staphylococcus aureus
(fragment)
>gi|2119116|pir||S59954 ribosomal protein L7/L12 - Staphylococcus aureus (fragment)
>gi|2117996|pir||A53641 arsenate reductase (EC 1.-.-.) - Staphylococcus aureus plasmid pI258
>gi|2117910|pir||S59951 DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - Staphylococcus aureus
>gi|1363411|pir||S58814 cell division protein ftsZ - Staphylococcus aureus
>gi|1361350|pir||A56976 transfer complex protein TrsI - Staphylococcus aureus
>gi|1084187(pir||S54708 DNA-directed DNA polymerase (EC 2.7.7.7) III beta chain - Staphylococcus
aureus
>gi|1075676|pir||S54793 superoxide dismutase (EC 1.15.1.1) (Fe/Mn) - Staphylococcus aureus
(fragment)
>gi|1075669|pir||S52934 alkyl hydroperoxide reductase (EC 1.6.4.-) c22 protein - Staphylococcus
aureus (fragment)
>gi|625852|pir||JP0045 ribosomal protein L30 - Staphylococcus aureus (fragment)
>gi|541338|pir||S39923 DNA helicase pcrA - Staphylococcus aureus
>gi|541337|pir||S40178 isoleucine--tRNA ligase (EC 6.1.1.5) - Staphylococcus aureus
>gi|538884|pir||B46568 ermC protein - Staphylococcus aureus plasmid pT48
>gi|538882|pir||A40585 DNA topoisomerase (ATP-hydrolyzing) (EC 5.99.1.3) chain B - Staphylococcus
>gi|538881|pir||B40585 DNA topoisomerase (ATP-hydrolyzing) (EC 5.99.1.3) chain A - Staphylococcus
aureus
>gi|538608|pir||A24362 chloramphenicol O-acetyltransferase (EC 2.3.1.28) - Staphylococcus aureus
plasmid pUB112
>gi|482777|pir||A61152 chloramphenicol O-acetyltransferase (EC 2.3.1.28) - Staphylococcus aureus
plasmid pSCS7
>gi|421382|pir||S11783 bla regulator protein blaR1 - Staphylococcus aureus plasmids
>gi|322081|pir||S32014 dihydrofolate reductase (EC 1.5.1.3) - Staphylococcus aureus
>gi|322080|pir||A44849 chloramphenicol O-acetyltransferase (EC 2.3.1.28) - Staphylococcus aureus
plasmid
>gi|282240|pir||B41903 arsenical resistance operon repressor - Staphylococcus aureus plasmid pI258
>gi|282239|pir||D41903 arsenate reductase (EC 1.-.-.) - Staphylococcus aureus plasmid pI258
>gi|282238|pir||C41903 arsenical pump membrane protein - Staphylococcus aureus
>gi|279459|pir||YXSAT3 thymidylate synthase (EC 2.1.1.45) - Staphylococcus aureus plasmid pSK1
transposon Tn4003
>gi|98263|pir||A36141 cop protein - Staphylococcus aureus plasmid pE194
>gi|97849|pir||S12705 site-specific DNA-methyltransferase (cytosine-specific) (EC 2.1.1.73) Sau96I -
Staphylococcus aureus
>qi|97842|pir||S19721 pyruvate dehydrogenase (lipoamide) (EC 1.2.4.1) chain El-beta - Staphylococcus
aureus (fragment)
>gi|97837|pir||A31048 phosphotransferase system enzyme II (EC 2.7.1.69), mannitol-specific, factor
III - Staphylococcus aureus (fragments)
>gi|97833|pir||JQ0760 methyltransferase (EC 2.1.1.-) - Staphylococcus aureus
>gi|97832|pir||S20433 lipoprotein signal peptidase (EC 3.4.23.36) - Staphylococcus aureus
>gi|97826|pir||S20799 hypothetical protein 7 - Staphylococcus aureus
>gi|97816|pir||S21758 glutamic acid-specific endopeptidase - Staphylococcus aureus
>gi|97807|pir||A33953 enterotoxin D precursor - Staphylococcus aureus
>gi|97805|pir||S11885 enterotoxin C3 - Staphylococcus aureus
>gi|97798|pir||S19723 dihydrolipoamide dehydrogenase (EC 1.8.1.4) - Staphylococcus aureus
>gi|97797|pir||S19722 dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) chain E2 - Staphylococcus
aureus
>gi|97787|pir||A35001 beta-lactamase (EC 3.5.2.6) PSE-4 precursor - Staphylococcus aureus
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>gi|80332|pir||B29827 macrolide/lincosamide/streptogramin B resistance methylase - Staphylococcus
aureus plasmid pE5
>gi|79907|pir||S00938 str protein - Staphylococcus aureus plasmid pS194
>gi|79904|pir||D24584 spectinomycin resistance protein spc - Staphylococcus aureus transposon Tn554
>gi|79893|pir||A32561 probable cadmium-transporting ATPase (EC 3.6.1.-) - Staphylococcus aureus
>gi|79888|pir||F29504 alkylmercury lyase (EC 4.99.1.2) - Staphylococcus aureus plasmid pI258
>gi|79885|pir||E29504 mercury(II) reductase (EC 1.16.1.1) - Staphylococcus aureus plasmid pI258
>gi|79878|pir||A25101 erythromycin resistance protein ermA - Staphylococcus aureus transposon Tn554
>gi|79873|pir||S04358 lacC protein - Staphylococcus aureus
>gi|79861|pir||A26050 exfoliative toxin B precursor - Staphylococcus aureus
>gi|79856|pir||A28179 enterotoxin E precursor - Staphylococcus aureus
>gi|79855|pir||A60114 enterotoxin C-2 precursor - Staphylococcus aureus
>gi|79853|pir||A28664 enterotoxin A precursor - Staphylococcus aureus
>gi|79851|pir||S04164 dihydrofolate reductase (EC 1.5.1.3) - Staphylococcus aureus plasmid pSK1
transposon Tn4003
>gi|79844|pir||A27233 beta-galactosidase (EC 3.2.1.23) - Staphylococcus aureus
>gi|76321|pir||QQSAC2 hypothetical protein C - Staphylococcus aureus plasmid pC221
>gi|76320|pir||QQSAA2 rlx protein - Staphylococcus aureus plasmid pC221
>gi|76319|pir||QQSA8T hypothetical protein B-189 - Staphylococcus aureus plasmid pT181 >gi|76318|pir||QQSAEC hypothetical protein E-229 - Staphylococcus aureus plasmid pC194
>gi|76317|pir||QQSACC hypothetical protein C-120 - Staphylococcus aureus plasmid pC194
>gi|76316|pir||QQSA7C hypothetical protein E-74 - Staphylococcus aureus plasmid pC194
>gi|76315|pir||QQSACE hypothetical protein C-102 - Staphylococcus aureus plasmid pE194
>gi|76314|pir||QQSABE hypothetical protein B-111 - Staphylococcus aureus plasmid pE194
>gi|73155|pir||RQSAD2 repD protein - Staphylococcus aureus plasmid pC221
>gi|73154|pir||RQSACT repC protein - Staphylococcus aureus plasmids
>gi|73152|pir||LFSAP9 ermC leader peptide - Staphylococcus aureus plasmids
>gi|72984|pir||QQSA4E hypothetical protein C-403 - Staphylococcus aureus plasmid pE194
>gi|72843|pir||QQSACT hypothetical protein C-156 - Staphylococcus aureus plasmid pT181 >gi|72842|pir||QQSABT hypothetical protein B-295 - Staphylococcus aureus plasmid pT181
>gi|72420|pir||WPSAHP phosphotransferase system phosphohistidine-containing protein - Staphylococcus
aureus
>gi|69625|pir||XCSAS1 toxic shock syndrome toxin-1 precursor - Staphylococcus aureus
>gi|69556|pir||LESAD delta hemolysin - Staphylococcus aureus
>gi|67766|pir||PNSAP beta-lactamase (EC 3.5.2.6) precursor - Staphylococcus aureus
>gi|67543|pir||PRSAEB epidermolytic toxin B precursor - Staphylococcus aureus plasmid pRW001
>gi|67542|pir||PRSAEA epidermolytic toxin A precursor - Staphylococcus aureus
>gi|67541|pir||PRSASK glutamyl endopeptidase (EC 3.4.21.19) precursor - Staphylococcus aureus
>gi|67305|pir||NCSAF micrococcal nuclease (EC 3.1.31.1) precursor - Staphylococcus aureus
>gi|66882|pir||PKSAF kanamycin kinase (EC 2.7.1.95) - Staphylococcus aureus
>gi|66872|pir||WQSA3L phosphotransferase system enzyme II (EC 2.7.1.69), lactose-specific, factor
III - Staphylococcus aureus
>gi|66524|pir||XXSAC2 chloramphenicol O-acetyltransferase (EC 2.3.1.28) - Staphylococcus aureus
plasmid pC221
>gi|66523|pir||XXSACC chloramphenicol O-acetyltransferase (EC 2.3.1.28) - Staphylococcus aureus
-
>gi|66452|pir||YESA9E rRNA (adenine-N6-)-methyltransferase (EC 2.1.1.48) - Staphylococcus aureus
plasmids
>gi|7381167|gb|AAF61418.1|AF135268_1 ribonuclease P protein component [Staphylococcus aureus]
>gi|6648971|gb|AAF21314.1| site-specific recombinase [Staphylococcus aureus]
>gi|6648970|gb|AAF21313.1|AF118839_1 iron uptake regulatory protein; Fur [Staphylococcus aureus]
>gi|7330783|gb|AAF60251.1| Geh [Staphylococcus aureus]
>gi|7330782|gb|AAF60250.1| IcaC [Staphylococcus aureus]
>gi|7330780|gb|AAF60249.1| Geh [Staphylococcus aureus]
>gi|7330779|gb|AAF60248.1| IcaC [Staphylococcus aureus]
>gi|7330777|gb|AAF60247.1| Geh [Staphylococcus aureus]
>gi|7330776|gb|AAF60246.1| IcaC [Staphylococcus aureus]
>gi|7330774|gb|AAF60245.1| Geh [Staphylococcus aureus]
>gi|7330773|gb|AAF60244.1| IcaC [Staphylococcus aureus]
>gi|7330771|gb|AAF60243.1| Geh [Staphylococcus aureus]
>gi|7330770|gb|AAF60242.1| IcaC [Staphylococcus aureus]
>gi|7330768|gb|AAF60241.1| HprK [Staphylococcus aureus]
>gi|7330767|gb|AAF60240.1| UvrA [Staphylococcus aureus]
>gi|7330765|gb|AAF60239.1| HprK [Staphylococcus aureus]
>gi|7330764|gb|AAF60238.1| UvrA [Staphylococcus aureus]
>gi|7330762|gb|AAF60237.1| HprK [Staphylococcus aureus]
>gi|7330761|gb|AAF60236.1| UvrA [Staphylococcus aureus]
>gi|7330759|gb|AAF60235.1| HprK [Staphylococcus aureus]
>gi|7330758|gb|AAF60234.1| UvrA [Staphylococcus aureus]
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>gi|7330755|gb|AAF60232.1| UvrA [Staphylococcus aureus]
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>gi|6671351|gb|AAF23170.1|AF210055 3 AgrC [Staphylococcus aureus]
>gi|6671350|gb|AAF23169.1|AF210055_2 AgrD [Staphylococcus aureus]
>gi|6671349|gb|AAF23168.1|AF210055_1 AgrB [Staphylococcus aureus]
>gi|7328298|emb|CAB82464.1| transketolase, putative [Staphylococcus aureus]
>gi|7328297|emb|CAB82463.1| SOS regulatory LexA protein, putative [Staphylococcus aureus]
>gi|7328295|emb|CAB82462.1| DNA mismatch repair protein (Staphylococcus aureus)
>gi|7328294|emb|CAB82461.1| DNA mismatch repair protein [Staphylococcus aureus]
>qi|7328292|emb|CAB82460.1| hypothetical protein [Staphylococcus aureus]
>gi|7328291|emb|CAB82459.1| hypothetical protein [Staphylococcus aureus]
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>gi|7328284|emb|CAB82466.1| MutS protein [Staphylococcus aureus]
>gi|7328280|emb|CAB82478.1| hypothetical protein [Staphylococcus aureus]
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>gi|7328278|emb|CAB82476.1| hypothetical protein [Staphylococcus aureus]
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>gi|7328276|emb|CAB82474.1| putative peptidase [Staphylococcus aureus]
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>gi|7328272|emb|CAB82471.1| ORF314 [Staphylococcus aureus]
>gi|7328271[emb|CAB82470.1| hypothetical protein [Staphylococcus aureus]
>gi|7328270|emb|CAB82469.1| hypothetical protein [Staphylococcus aureus]
>gi|7328269|emb|CAB82468.1| hypothetical protein [Staphylococcus aureus]
>gi|7106006|emb|CAB75986.1| ornithine carbamoyltransferase {Staphylococcus aureus}
>gi|7272362|gb|AAA26601.2| blaZ [Staphylococcus aureus]
>gi|152968|gb|AAA26604.1| binR [Staphylococcus aureus]
>gi|152967|gb|AAA26603.1| blaI [Staphylococcus aureus]
>gi|152966|gb|AAA26602.1| blaR1 [Staphylococcus aureus]
>gi|7242216|gb|AAB32123.2| porphobilinogen synthase; PBG; HemB [Staphylococcus aureus]
>gi|7239722|gb|AAA71951.2| putative [Staphylococcus aureus]
>gi|7239370|gb|AAF43206.1|AF230358_3 accessory gene regulator protein D [Staphylococcus aureus]
>gi|7239369|gb|AAF43205.1|AF230358_2 accessory gene regulator protein B [Staphylococcus aureus]
>gi|7239368|gb|AAF43204.1|AF230358_1 delta-haemolysin precurser [Staphylococcus aureus]
>gi|310620|gb|AAA71964.1| putative [Staphylococcus aureus]
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>gi|7162103|emb|CAB76672.1| phosphate actyltransferase [Staphylococcus aureus]
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>gi|7162077|emb|CAB76659.1| phosphate actyltransferase [Staphylococcus aureus]
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>gi|7162073|emb|CAB76657.1| triosephosphate isomerase [Staphylococcus aureus]
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>gi|7162013|emb|CAB76627.1| carbamate kinase [Staphylococcus aureus]
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>gi|7161981|emb|CAB76611.1| shikimate dehydrogenase [Staphylococcus aureus].
>gi|7161979|emb|CAB76610.1| glycerol kinase [Staphylococcus aureus]
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>qi|7161887|emb|CAB76839.1| Catalase [Staphylococcus aureus]
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>gi|7107452|gb|AAF36410.1|AF235026_1 pyruvate dehydrogenase beta subunit PdhB [Staphylococcus
>gi|7106008|emb|CAB75987.1| ornithine carbamoyltransferase Otc6850 [Staphylococcus aureus]
>gi|7106004|emb|CAB75985.1| extracellular matrix and plasma binding protein [Staphylococcus aureus]
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>gi|6967305|emb|CAB72943.1| hypothetical protein [Staphylococcus aureus]
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>gi|6967300|emb|CAB72939.1| hypothetical protein [Staphylococcus aureus]
>gi|6912039|emb|CAB72261.1| penicillin-binding protein 3 [Staphylococcus aureus]
>gi|2506027|dbj|BAA22600.1| NAG [Staphylococcus aureus]
>gi|577649|dbj|BAA07715.1| preLUKM [Staphylococcus aureus]
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>gi|6119701|emb|CAB59567.1| aureolysin [Staphylococcus aureus]
>gi|6729657|emb|CAB67709.1| secretory protein [Staphylococcus aureus]
>gi|6729716|pdb|1BQB|A Chain A, Aureolysin, Staphylococcus Aureus Metalloproteinase
>gi|5107600|pdb|1KGG|A Chain A, Structure Of Beta-Lactamase Glu166gln:asn170asp Mutant
>gi|6110605|gb|AAF03894.1|AF193842_1 DNA polymerase I [Staphylococcus aureus]
>gi|6690335|gb|AAF24091.1|AF117259 3 ATP binding protein VgA [Staphylococcus aureus]
>gi|6690334|gb|AAF24090.1|AF117259_2 unknown [Staphylococcus aureus]
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>gi|6690331|gb|AAF24088.1|AF117258 5 hydrolase VgB (Staphylococcus aureus)
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>gi|6681569|dbj|BAA88755.1| cassette chromosome recombinase B [Staphylococcus aureus]
>gi|6681568|dbj|BAA88754.1| cassette chromosome recombinase A [Staphylococcus aureus]
>gi|6644368|gb|AAF21032.1|AF209197 1 UDP-GlcNAc 2-epimerase [Staphylococcus aureus]
>gi|6594284|dbj|BAA88420.1| ATP-binding protein [Staphylococcus aureus]
>gi|6594283|dbj|BAA88419.1| hydrophobic transmembrane protein [Staphylococcus aureus]
>gi|6594281|dbj|BAA88418.1| MsrSA [Staphylococcus aureus]
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gi|6594275|dbj|BAA88413.1| hydrophobic transmembrane protein [Staphylococcus aureus]
>gi|6578925|gb|AAF18137.1|AF205033_3 glutamyl-tRNAGln amidotransferase subunit B (Staphylococcus
>gi|6578924|gb|AAF18136.1|AF205033 2 glutamyl-tRNAGln amidotransferase subunit A [Staphylococcus
gi|6578923|gb|AAF18135.1|AF205033_1 glutamyl-tRNAGln amidotransferase subunit C [Staphylococcus
>gi|4185565|gb|AAD09131.1| surface protein Pls [Staphylococcus aureus]
>gi|6492112|gb|AAF14183.1| putative transmembrane protein [Staphylococcus aureus]
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>gi|6441050|dbj|BAA86894.1| Drp35 [Staphylococcus aureus]
>gi|6434054|emb|CAB60756.1| permease [Staphylococcus aureus]
>gi|6434053|emb|CAB60755.1| ATP-binding protein [Staphylococcus aureus]
>gi|6434052|emb|CAB60754.1| hypothetical protein [Staphylococcus aureus]
>gi|6434050|emb|CAB60753.1| anthranilate synthase component II [Staphylococcus aureus]
>gi|6434049|emb|CAB60752.1| anthranilate phosphoribosyltransferase [Staphylococcus aureus]
>gi|6434048|emb|CAB60751.1| indole-3-glycerol phosphate synthase [Staphylococcus aureus]
>gi|6434047|emb|CAB60750.1| phosphoriborylanthranilate isomerase [Staphylococcus aureus]
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>gi|6434037|emb|CAB60743.1| thioredoxine reductase [Staphylococcus aureus]
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>gi|6434030|emb|CAB60738.1| GSA-1-aminotransferase [Staphylococcus aureus]
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>gi|6273682|emb|CAA73924.1| transposase [Staphylococcus aureus]
>gi|6273681|emb|CAA73923.1| resolvase [Staphylococcus aureus]
>gi|6273680|emb|CAA73922.1| hypothetical protein [Staphylococcus aureus]
>gi|6273679|emb|CAA73921.1| rRNA methylase [Staphylococcus aureus]
>gi|6273678|emb|CAA73925.1| hypothetical protein [Staphylococcus aureus]
>gi|6166144|sp|Q53665|DPO3_STAAU DNA POLYMERASE III, ALPHA CHAIN POLC-TYPE (POLIII)
>gi|3915801|sp|P50073|PARC_STAAU TOPOISOMERASE IV SUBUNIT A
>gi|2507345|sp|P47770|RPOC_STAAU DNA-DIRECTED RNA POLYMERASE BETA' CHAIN (TRANSCRIPTASE BETA' CHAIN)
(RNA POLYMERASE BETA! SUBUNIT)
>gi|135552|sp|P02983|TCR STAAU TETRACYCLINE RESISTANCE PROTEIN
>gi|130885|sp|P22490|PREZ_STAAU PLASMID RECOMBINATION ENZYME (MOBILIZATION PROTEIN)
>gi|128852|sp|P00644|NUC_STAAU THERMONUCLEASE PRECURSOR (TNASE) (MICROCOCCAL NUCLEASE)
(STAPHYLOCOCCAL NUCLEASE)
>gi|126941|sp|P26597|MECR_STAEP METHICILLIN RESISTANCE MECR1 PROTEIN
>gi|6137706|pdb|1QTF|A Chain A, Crystal Structure Of Exfoliative Toxin B
>gi|4557981|pdb|1SBB|D Chain D, T-Cell Receptor Beta Chain Complexed With Superantigen Seb
>gi|4557979|pdb|1SBB|B Chain B, T-Cell Receptor Beta Chain Complexed With Superantigen Seb
>gi|3025223|sp|Q53719|YLY1_STAAU HYPOTHETICAL 18.6 KD PROTEIN IN LYTA 3'REGION (ORF1)
>gi|2811052|sp|007319|YLLB_STAAU HYPOTHETICAL 17.4 KD PROTEIN
>gi|2500373|sp|Q53602|YBXF_STAAU PROBABLE RIBOSOMAL PROTEIN IN RPSL 5 REGION
>gi|2226349|gb|AAB61744.1| CspC [Staphylococcus aureus]
>gi|2226347|gb|AAB61743.1| CspB [Staphylococcus aureus]
>gi|1723202|sp|P55177|YAG5_STAAU HYPOTHETICAL 29.8 KD PROTEIN IN AGR OPERON (ORF 5)
>gi|1176334|sp|P41370|YIL2_STAAU HYPOTHETICAL PROTEIN IN ILES 3'REGION (ORF C)
>gi|1176333|sp|P41369|YIL1_STAAU HYPOTHETICAL PROTEIN IN ILES 5'REGION (ORF B)
>gi|141232|sp|P03860|YPCD_STAAU HYPOTHETICAL 8.7 KD PROTEIN (READING FRAME D)
>gi|141195|sp|P14503|YP2C_STAAU HYPOTHETICAL 27.7 KD PROTEIN
>gi|141194|sp|P12052|YP2B STAAU HYPOTHETICAL 27.0 KD PROTEIN (ORFD)
>gi|141193|sp|P03866|YP2a_STAAU HYPOTHETICAL 26.9 KD PROTEIN (HYPOTHETICAL PROTEIN C)
>gi|141190|sp|P23217|YP23_STAAU HYPOTHETICAL TRANSCRIPTIONAL REGULATOR IN QACA 5'REGION (ORF 188)
>gi|141183|sp|P13977|YP15 STAAU HYPOTHETICAL 15.5 KD PROTEIN
>gi|141180|sp|P03859|YP12_STAAU HYPOTHETICAL 12.4 KD PROTEIN (READING FRAME C)
>gi|141043|sp|P08655|YMER STAAU HYPOTHETICAL 19.7 KD PROTEIN IN MERCURIC RESISTANCE OPERON
>gi|140780|sp|P21224|YHLB_STAAU HYPOTHETICAL PROTEIN IN HLB 3'REGION
>gi|1718087|sp|P26839|VATA_STAAU VIRGINIAMYCIN A ACETYLTRANSFERASE
>gi|138137|sp|P17978|VGB_STAAU VIRGINIAMYCIN B HYDROLASE (VGB)
>gi|136457|sp|P06886|TSST_STAAU TOXIC SHOCK SYNDROME TOXIN-1 PRECURSOR (TSST-1)
>gi|6094457|sp|Q53770|TETM STAAU TETRACYCLINE RESISTANCE PROTEIN TETM (TETA(M))
>gi|6093662|sp|Q53596|PCP_STAAU PYRROLIDONE-CARBOXYLATE PEPTIDASE (5-OXOPROLYL-PEPTIDASE)
(PYROGLUTAMYL-PEPTIDASE I) (PGP-I) (PYRASE)
>gi|3915844|sp|033276|RRF_STAAU PROBABLE RIBOSOME RECYCLING FACTOR (RIBOSOME RELEASING FACTOR) (RRF)
>gi|3915057|sp|032422|SYH STAAU HISTIDYL-TRNA SYNTHETASE (HISTIDINE--TRNA LIGASE) (HISRS)
>gi|3914612|sp|050581|RECG_STAAU ATP-DEPENDENT DNA HELICASE RECG
>gi|3287914|sp|P81297|STPA_STAAU STAPHOPAIN
>gi|3122859|sp|008387|SECY_STAAU PREPROTEIN TRANSLOCASE SECY SUBUNIT
>gi|3122722|sp|006444|RL30_STAAU 50S RIBOSOMAL PROTEIN L30
>gi|3024594|sp|006442|SECE_STAAU PREPROTEIN TRANSLOCASE SECE SUBUNIT
>gi|3024540|sp|006443|RL11_STAAU 50S RIBOSOMAL PROTEIN L11
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>qi|3024239|sp|008386|NUSG STAAU TRANSCRIPTION ANTITERMINATION PROTEIN NUSG
>gi|2501053|sp|P95689|SYS_STAAU SERYL-TRNA SYNTHETASE (SERINE--TRNA LIGASE) (SERRS)
>gi|2501020|sp|Q53638|SYK_STAAU LYSYL-TRNA SYNTHETASE (LYSINE--TRNA LIGASE) (LYSRS)
>gi|2500269|sp|006445|RL15_STAAU 50S RIBOSOMAL PROTEIN L15
>gi|1710069|sp|P29232|RECF_STAAU RECF_PROTEIN
>gi|1709892|sp|P02907|PTHP_STAAU PHOSPHOCARRIER PROTEIN HPR (HISTIDINE-CONTAINING PROTEIN)
>gi|1709733|sp|P51065|PPCK STAAU PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP]
>gi|1709584|sp|P50072|PARE_STAAU TOPOISOMERASE IV SUBUNIT B
>gi|1709245|sp|P50588|NDK_STAAU NUCLEOSIDE DIPHOSPHATE KINASE (NDK) (NDP KINASE)
>gi|1351009|sp|P48940|RS7_STAAU 30S RIBOSOMAL PROTEIN S7
>gi|1350927|sp|P48942|RS12_STAAU 30S RIBOSOMAL PROTEIN S12
>qi|1350849|sp|P47768|RPOB STAAU DNA-DIRECTED RNA POLYMERASE BETA CHAIN (TRANSCRIPTASE BETA CHAIN)
(RNA POLYMERASE BETA SUBUNIT)
>gi|1350771|sp|P48860|RL7 STAAU 50S RIBOSOMAL PROTEIN L7/L12
oi|1346789|sp|P03864|PRE3_STAAU PLASMID RECOMBINATION ENZYME (MOBILIZATION PROTEIN)
>gi|1346788|sp|P03857|PRE1_STAAU PLASMID RECOMBINATION ENZYME (MOBILIZATION PROTEIN)
>gi|1175774|sp|P45557|PRMA_STAAU PROBABLE METHYLTRANSFERASE
>gi|1174516|sp|P41368|SYIP STAAU ISOLEUCYL-TRNA SYNTHETASE, MUPIROCIN RESISTANT (ISOLEUCINE--TRNA
LIGASE) (ILERS) (MUPIROCIN RESISTANCE PROTEIN)
>gi|1172527|sp|P45723|PLC_STAAU 1-PHOSPHATIDYLINOSITOL PHOSPHODIESTERASE PRECURSOR
(PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE C) (PI-PLC)
>gi|586104|sp|P37376|TNPF STAAU TRANSPOSASE FOR TRANSPOSON TN554 HOMOLOG
>gi|586103|sp|P37375|TNPE_STAAU TRANSPOSASE B (TRANSPOSON TN554 HOMOLOG)
>gi|586027|sp|P38507|SPA2_STAAU IMMUNOGLOBULIN G BINDING PROTEIN A PRECURSOR (IGG BINDING PROTEIN A)
>gi|548620|sp|P17875|PTMA_STAAU PTS SYSTEM, MANNITOL-SPECIFIC IIA COMPONENT (EIIA-MTL) (MANNITOL-
PERMEASE IIA COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, A COMPONENT) (EIII-MTL)
>gi|548619|sp||PTMA STAAU 2 [Segment 2 of 2] PTS SYSTEM, MANNITOL-SPECIFIC IIA COMPONENT (EIIA-MTL)
(MANNITOL-PERMEASE IIA COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, A COMPONENT) (EIII-MTL)
>gi|548618|sp||PTMA STAAU 1 [Segment 1 of 2] PTS SYSTEM, MANNITOL-SPECIFIC IIA COMPONENT (EIIA-MTL)
(MANNITOL-PERMEASE IIA COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, A COMPONENT) (EIII-MTL)
>gi|400965|sp|P31337|RADC_STAAU DNA REPAIR PROTEIN RADC HOMOLOG (25 KD PROTEIN)
>gi|136146|sp|P06698|TRAC_STAAU TRANSPOSASE FOR TRANSPOSON TN554
>gi|136133|sp|P18416|TRA3_STAAU TRANSPOSASE FOR TRANSPOSON TN552 (ORF 480)
>gi|135956|sp|P06697|TNPB_STAAU TRANSPOSASE B (TRANSPOSON TN554)
>gi|135955|sp|P06696|TNPA_STAAU TRANSPOSASE A (TRANSPOSON TN554)
>gi|135949|sp|P19775|TRA6 STAAU TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT IS256 IN TRANSPOSON
TN4001
>gi|135248|sp|P23736|T2S9 STAAU TYPE II RESTRICTION ENZYME SAU961 (ENDONUCLEASE SAU961) (R.SAU961)
>gi|135247|sp|P16667|T2S3 STAAU TYPE II RESTRICTION ENZYME SAU3AI (ENDONUCLEASE SAU3AI) (R.SAU3AI)
>gi|135003|sp|P04188|STSP_STAAU GLUTAMYL ENDOPEPTIDASE PRECURSOR (STAPHYLOCOCCAL SERINE PROTEINASE)
(V8 PROTEINASE) (ENDOPROTEINASE GLU-C)
>gi|135002|sp|P12055|STR STAAU STREPTOMYCIN RESISTANCE PROTEIN
>gi|134959|sp|P17855|STC2_STAAU STAPHYLOCOAGULASE PRECURSOR
>gi|134958|sp|P07767|STC1_STAAU_STAPHYLOCOAGULASE_PRECURSOR
>gi|134189|sp|P00802|SAK_STAAU_STAPHYLOKINASE_PRECURSOR_(NEUTRAL_PROTEINASE) (PROTEASE_III)
>gi|134150|sp|P04827|S3AD_STAAU STREPTOMYCIN 3''-ADENYLYLTRANSFERASE (AAD(9))
>gi|133479|sp|P26766|RPSD_STAAU RNA POLYMERASE SIGMA FACTOR RPOD
>gi|133112|sp|P14491|RLX3_STAAU RLX PROTEIN
>gi|133111|sp|P03865|RLX2_STAAU RLX PROTEIN
>gi|133109|sp|P12054|RLX1 STAAU RLX PROTEIN
>gi|132380|sp|P08115|REP_STAAU REPLICATION INITIATION PROTEIN
>gi|132374|sp|P03858|REPY_STAAU REPLICATION PROTEIN
>gi|132372|sp|P03862|REPX STAAU REP PROTEIN (REPLICATION PROTEIN) (READING FRAME A)
>gi|132369|sp|P19529|REPN_STAAU REPLICATION INITIATION PROTEIN
>gi|132368|sp|P14490|REPM_STAAU REPLICATION INITIATION PROTEIN >gi|132364|sp|P12053|REPE_STAAU REPLICATION INITIATION PROTEIN
>gi|132362|sp|P03065|REPD_STAAU REPLICATION INITIATION PROTEIN
>gi|132361|sp|P03064|REPC_STAAU REPLICATION INITIATION PROTEIN (PROTEIN A)
>gi|132357|sp|P05061|REPB STAAU REPLICATION PROTEIN
>gi|132322|sp|P13969|REMA_STAAU REPLICATION AND MAINTENANCE PROTEIN (PLASMID REPLICATION PROTEIN)
>gi|131518|sp|P02909|PTLA_STAAU PTS SYSTEM, LACTOSE-SPECIFIC IIA COMPONENT (EIIA-LAC) (LACTOSE-
PERMEASE IIA COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, A COMPONENT) (EIII-LAC)
>gi|131497|sp|P11162|PTLB_STAAU PTS SYSTEM, LACTOSE-SPECIFIC IIBC COMPONENT (EIIBC-LAC) (LACTOSE-
PERMEASE IIBC COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, BC COMPONENT) (EII-LAC)
>gi|130085|sp|P09978|PHLC_STAAU PHOSPHOLIPASE C PRECURSOR (BETA-HEMOLYSIN) (BETA-TOXIN)
(SPHINGOMYELINASE)
>gi|129676|sp|P07944|PBP STAAU BETA-LACTAM-INDUCIBLE PENICILLIN-BINDING PROTEIN
>gi|129132|sp|P21223|OMP7_STAAU 70 KD OUTER MEMBRANE PROTEIN PRECURSOR
>gi|129123|sp|P21222|NP30 STAAU 30 KD NEUTRAL PHOSPHATASE (NPTASE)
>gi|128511|sp|P21191|NORA_STAAU QUINOLONE RESISTANCE NORA PROTEIN
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>gi|127486|sp|P23737|MTS9 STAAU MODIFICATION METHYLASE SAU96I (CYTOSINE-SPECIFIC METHYLTRANSFERASE
SAU96I) (M.SAU96I)
>gi|127485|spiP16668|MTS3_STAAU MODIFICATION METHYLASE SAU3AI (CYTOSINE-SPECIFIC METHYLTRANSFERASE
SAU3AI) (M.SAU3AI)
>gi|6016606|sp|068285|MSCL_STAAU LARGE-CONDUCTANCE MECHANOSENSITIVE CHANNEL
>gi|6016162|sp|034092|GSA STAAU GLUTAMATE-1-SEMIALDEHYDE 2;1-AMINOMUTASE (GSA) (GLUTAMATE-1-
SEMIALDEHYDE AMINOTRANSFERASE) (GSA-AT)
>gi|4033454|sp|P72364|LEPH STAAU INACTIVE SIGNAL PEPTIDASE IA
>gi|4033452|sp|P72365|LEP_STAAU SIGNAL PEPTIDASE IB (SPASE IB) (LEADER PEPTIDASE IB)
>gi|3122102|sp|007325|FTSA_STAAU CELL DIVISION PROTEIN FTSA
>gi|1709003|sp|P50307|METK_STAAU S-ADENOSYLMETHIONINE SYNTHETASE (METHIONINE ADENOSYLTRANSFERASE)
(ADOMET SYNTHETASE)
>gi|1708807|sp|P52282|LGT STAAU PROLIPOPROTEIN DIACYLGLYCERYL TRANSFERASE
>gi|1707902|sp|P31714|GHMZ STAAU GAMMA-HEMOLYSIN H-GAMMA-II SUBUNIT
>gi|1707901|sp||GHM2 STAAU 2 [Segment 2 of 2] GAMMA-HEMOLYSIN H-GAMMA-II SUBUNIT
>gi|1707900|sp||GHM2_STAAU_1 [Segment 1 of 2] GAMMA-HEMOLYSIN H-GAMMA-II SUBUNIT
>gi|1346584|sp|P80544|MRSP_STAAU_METHICILLIN-RESISTANT_SURFACE_PROTEIN
>gi|1346583|sp||MRSP_STAAU_7 [Segment 7 of 7] METHICILLIN-RESISTANT_SURFACE_PROTEIN
>gi|1346582|sp||MRSP_STAAU_6 [Segment 6 of 7] METHICILLIN-RESISTANT SURFACE PROTEIN
>gi|1346581|sp||MRSP_STAAU_5 (Segment 5 of 7) METHICILLIN-RESISTANT SURFACE PROTEIN
>gi|1346580|sp||MRSP_STAAU_4 (Segment 4 of 7) METHICILLIN-RESISTANT SURFACE PROTEIN
>gi|1346579|sp||MRSP STAAU 3 (Segment 3 of 7) METHICILLIN-RESISTANT SURFACE PROTEIN
>gi|1346578|sp||MRSP_STAAU_2 [Segment 2 of 7] METHICILLIN-RESISTANT SURFACE PROTEIN
>gi|1346577|sp||MRSP_STAAU_1 [Segment 1 of 7] METHICILLIN-RESISTANT SURFACE PROTEIN
>gi|1346244|sp|P20832|GYRB STAAU DNA GYRASE SUBUNIT B
>gi|1346238|sp|P20831|GYRA_STAAU DNA GYRASE SUBUNIT A
>gi|1176137|sp|P45556|HRCA_STAAU HEAT-INDUCIBLE TRANSCRIPTION REPRESSOR HRCA
>gi|1169769|sp|P45498|FTSZ_STAAU CELL DIVISION PROTEIN FTSZ
>gi|547868|sp|P36884|LPCA_STAAU CHLORAMPHENICOL RESISTANCE LEADER PEPTIDE
>gi|400204|sp|P31716|LUKS_STAAU LEUKOCIDIN S SUBUNIT PRECURSOR
>gi|400203|sp|P31715|LUKF_STAAU LEUKOCIDIN F SUBUNIT PRECURSOR (GAMMA-HEMOLYSIN, H-GAMMA-I SUBUNIT)
>gi|127020|sp|P08656|MERT_STAAU MERCURIC TRANSPORT PROTEIN (MERCURY ION TRANSPORT PROTEIN)
>gi|127015|sp|P22874|MERR_STAAU MERCURIC RESISTANCE OPERON REGULATORY PROTEIN
>gi|126999|sp|P08653|MERB_STAAU ALKYLMERCURY LYASE (ORGANOMERCURIAL LYASE)
>gi|126995|sp|P08663|MERA_STAAU MERCURIC REDUCTASE (HG(II) REDUCTASE)
>qi|126940|sp|P26598|MECI STAEP METHICILLIN RESISTANCE REGULATORY PROTEIN MECI
>gi|126446|sp|P03063|LPRM_STAAU 23S RRNA METHYLASE LEADER PEPTIDE (ERYTHROMYCIN RESISTANCE LEADER
>gi|126333|sp|P10335|LIP_STAAU LIPASE PRECURSOR (GLYCEROL ESTER HYDROLASE)
>gi|125937|sp|P16644|LACR_STAAU LACTOSE PHOSPHOTRANSFERASE SYSTEM REPRESSOR
>gi|125930|sp|P11175|LACG_STAAU 6-PHOSPHO-BETA-GALACTOSIDASE (BETA-D-PHOSPHOGALACTOSIDE
GALACTOHYDROLASE) (PGALASE) (P-BETA-GAL) (PBG)
>gi|125908|sp|P26594|LACA_STAAU GALACTOSE-6-PHOSPHATE ISOMERASE LACA SUBUNIT
>gi|125464|sp|P00554|kKA3 ENTFA AMINOGLYCOSIDE 3'-PHOSPHOTRANSFERASE (KANAMYCIN KINASE, TYPE III)
(NEOMYCIN-KANAMYCIN PHOSPHOTRANSFERASE, TYPE III) (APH(3')III)
>gi|125191|sp|P05057|KANU_STAAU KANAMYCIN NUCLEOTIDYLTRANSFERASE (NEO(R))
>gi|123184|sp|P09616|HLA STAAU ALPHA-HEMOLYSIN PRECURSOR (ALPHA-TOXIN) (ALPHA-HL)
>gi|6015099|sp|069174|ENO_STAAU ENOLASE (2-PHOSPHOGLYCERATE DEHYDRATASE) (2-PHOSPHO-D-GLYCERATE
HYDRO-LYASE) (LAMININ BINDING PROTEIN)
>gi|6014977|sp|Q59822|DLDH STAAU DIHYDROLIPOAMIDE DEHYDROGENASE (E3 COMPONENT OF PYRUVATE COMPLEX)
(MEMBRANE-BOUND RIBOSOME PROTEIN COMPLEX 50 KD SUBUNIT)
>gi|6014729|sp|P81684|CS40_STAAU 40 KD VITRONECTIN-BINDING CELL SURFACE PROTEIN
>gi|3023644|sp|005701|DHPS_STAAU DIHYDROPTEROATE SYNTHASE (DIHYDROPTEROATE PYROPHOSPHORYLASE) (DHPS)
>gi|2829402|sp|P49994|DNAA_STAAU CHROMOSOMAL REPLICATION INITIATOR PROTEIN DNAA
>gi|1706496|sp|P50029|DP3B_STAAU DNA POLYMERASE III, BETA CHAIN
>gi|1169381|sp|P45554|DNAK_STAAU DNAK PROTEIN (HEAT SHOCK PROTEIN 70) (HSP70)
>gi|544199|sp|P10167|DYRB_STAAU DIHYDROFOLATE REDUCTASE TYPE I
>gi|462026|sp|P34071|ETC2_STAAU ENTEROTOXIN TYPE C-2 PRECURSOR (SEC2)
>gi|127195|sp|P13978|ERM4_STAAU RRNA ADENINE N-6-METHYLTRANSFERASE (MACROLIDE-LINCOSAMIDE-
STREPTOGRAMIN B RESISTANCE PROTEIN) (ERYTHROMYCIN RESISTANCE PROTEIN)
>gi|127194|sp|P13957|ERM3 STAAU RRNA ADENINE N-6-METHYLTRANSFERASE (MACROLIDE-LINCOSAMIDE-
STREPTOGRAMIN B RESISTANCE PROTEIN) (ERYTHROMYCIN RESISTANCE PROTEIN)
>gi|127191|sp|P06699|ERM1_STAAU RRNA ADENINE N-6-METHYLTRANSFERASE (MACROLIDE-LINCOSAMIDE-
STREPTOGRAMIN B RESISTANCE PROTEIN) (ERYTHROMYCIN RESISTANCE PROTEIN)
>gi|119903|sp|P14305|FEMB_STAAU POSSIBLE PROTEIN FEMB (ORF 419)
>gi|119902|sp|P14304|FEMA_STAAU FACTOR ESSENTIAL FOR EXPRESSION OF METHICILLIN RESISTANCE >gi|119655|sp|P12993|ETXE_STAAU ENTEROTOXIN TYPE E PRECURSOR (SEE)
>gi|119654|sp|P20723|ETXD STAAU ENTEROTOXIN TYPE D PRECURSOR (SED)
>gi|119653|sp|P01552|ETXB_STAAU ENTEROTOXIN TYPE B PRECURSOR (SEB)
>gi|119652|sp|P13163|ETXA STAAU ENTEROTOXIN TYPE A PRECURSOR (SEA)
>gi|119626|sp|P23313|ETC3 STAAU ENTEROTOXIN TYPE C-3 PRECURSOR (SEC3)
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>qi|119625|sp|P01553|ETC1 STAAU ENTEROTOXIN TYPE C-1 PRECURSOR (SEC1)
>gi|119624|sp|P09332|ETB_STAAU EXFOLIATIVE TOXIN B PRECURSOR (EPIDERMOLYTIC TOXIN B)
>gi|119621|sp|P09331|ETA STAAU EXFOLIATIVE TOXIN A PRECURSOR (EPIDERMOLYTIC TOXIN A)
>gi|119131|sp|P24121|EDIN STAAU EPIDERMAL CELL DIFFERENTIATION INHIBITOR PRECURSOR (EDIN)
>gi|118976|sp|P13955|DYRA STAAU DIHYDROFOLATE REDUCTASE TYPE I (TN4003)
>gi|5813905|gb|AAD52059.1|AF086783_7 glycerol esther hydrolase [Staphylococcus aureus]
>gi|5813904|gb|AAD52058.1|AF086783 6 IcaC [Staphylococcus aureus]
>gi|5813901|gb|AAD52055.1|AF086783_3 IcaA [Staphylococcus aureus]
>gi|5813900|gb|AAD52054.1|AF086783_2 IcaR [Staphylococcus aureus]
>gi|5813899|gb|AAD52053.1|AF086783_1 CapA (Staphylococcus aureus)
>gi|6002652|gb|AAF00080.1|AF095597_1 ferric uptake regulator homolog (Staphylococcus aureus)
>gi|6002650|gb|AAF00079.1|AF095596_1 ferric uptake regulator homolog [Staphylococcus aureus]
>qi|6002648|qb|AAF00078.1|AF095595_1 ferric uptake regulator homolog [Staphylococcus aureus]
>gi|3913259|sp|Q53654|CNA STAAU COLLAGEN ADHESIN PRECURSOR
>gi|584919|sp|Q08841|CH10_STAAU 10 KD CHAPERONIN (PROTEIN CPN10) (PROTEIN GROES) (HEAT SHOCK PROTEIN
>gi|116920|sp|P25921|COP6_STAAU COP-6 PROTEIN
>gi|1168660|sp|P20384|BIN3_STAAU POTENTIAL DNA-INVERTASE BIN3 (TRANSPOSON TN552)
>gi|729029|sp|P39861|CAPL_STAAU CAPL PROTEIN
>gi|729028|sp|P39860|CAPK_STAAU CAPK PROTEIN
>gi|729027|sp|P39859|CAPJ_STAAU CAPJ_PROTEIN
>gi|729025|sp|P39857|CAPH_STAAU CAPH_PROTEIN
>gi|729024|sp|P39856|CAPG_STAAU CAPG PROTEIN
>gi|729021|sp|P39855|CAPF_STAAU CAPF PROTEIN - 
>gi|729020|sp|P39854|CAPE_STAAU CAPE PROTEIN
>gi|729019|sp|P39853|CAPD_STAAU CAPD PROTEIN
>gi|729018|sp|P39852|CAPC_STAAU CAPC PROTEIN
>gi|729017|sp|P39851|CAPB_STAAU CAPB PROTEIN
>gi|729016|sp|P39850|CAPA_STAAU CAPA PROTEIN
>gi|584871|sp|P37374|CADF STAAU CADMIUM EFFLUX SYSTEM ACCESSORY PROTEIN HOMOLOG
>gi|584870|sp|P37386|CADD_STAAU PROBABLE CADMIUM-TRANSPORTING ATPASE (CADMIUM EFFLUX ATPASE)
>gi|543935|sp|P36883|CAT5_STAAU CHLORAMPHENICOL ACETYLTRANSFERASE
>gi|543934|sp|P36882|CAT4 STAAU CHLORAMPHENICOL ACETYLTRANSFERASE
>gi|231569|sp|P30338|ARSR_STAAU ARSENICAL RESISTANCE OPERON REPRESSOR
>gi|231567|sp|P30330|ARSC_STAAU ARSENATE REDUCTASE (ARSENICAL PUMP MODIFIER)
>gi|231565|sp|P30329|ARSB_STAAU ARSENICAL PUMP MEMBRANE PROTEIN
>gi|140340|sp|P20047|CADC STAAU CADMIUM EFFLUX SYSTEM ACCESSORY PROTEIN
>gi|115688|sp|P06135|CAT3_STAAU CHLORAMPHENICOL ACETYLTRANSFERASE
>gi|115685|sp|P00486|CAT2_STAAU CHLORAMPHENICOL ACETYLTRANSFERASE
>gi|115680|sp|P00485|CAT1_STAAU CHLORAMPHENICOL ACETYLTRANSFERASE
>gi|115414|sp|P20021|CADA_STAAU PROBABLE CADMIUM-TRANSPORTING ATPASE (CADMIUM EFFLUX ATPASE)
>gi|115052|sp|P22491|BLE2 STAAU BLEOMYCIN RESISTANCE PROTEIN
>gi|115051|sp|P13014|BLE1_BACSP BLEOMYCIN RESISTANCE PROTEIN (BRP)
>gi|115049|sp|P18357|BLAR STAAU REGULATORY PROTEIN BLAR1
>gi|115044|sp|P18415|BLAI_STAAU PENICILLINASE REPRESSOR (REGULATORY PROTEIN BLAI) (BETA-LACTAMASE
REPRESSOR PROTEIN)
>gi|114996|sp|P19241|BINR_STAAU_DNA-INVERTASE_BINR_(TRANSPOSON_TN552)
>gi|114995|sp|P18358|BINL STAAU TRANSPOSON TN552 RESOLVASE
>gi|114300|sp|P18179|ATBP_STAAU POTENTIAL ATP-BINDING PROTEIN (ORF 271)
>gi|3913011|sp|005204|AHPF_STAAU ALKYL HYDROPEROXIDE REDUCTASE SUBUNIT F
>gi|113527|sp|P13131|AGRA STAAU ACCESSORY GENE REGULATOR PROTEIN A
>gi|112954|sp|P14507|AACA_STAAU BIFUNCTIONAL AAC/APH (INCLUDES: 6'-AMINOGLYCOSIDE N-
ACETYLTRANSFERASE (AAC(6')); 2''-AMINOGLYCOSIDE PHOSPHOTRANSFERASE (APH(2''))]
>gi|1729798|emb|CAA71069.1| CTORF239 [Staphylococcus aureus]
>gi|1729797|emb|CAA71068.1| sigma-B [Staphylococcus aureus]
>gi|1729796|emb|CAA71067.1| rsbW [Staphylococcus aureus]
>gi|1729795|emb|CAA71066.1| rsbV [Staphylococcus aureus]
>gi|1729794|emb|CAA71065.1| rsbU [Staphylococcus aureus]
>gi|1729793|emb|CAA71064.1| ORF136 [Staphylococcus aureus]
>gi|1729792|emb|CAA71063.1| ORF56 [Staphylococcus aureus]
>gi|5834651|emb|CAB55331.1| putative mannitol-specific IIA component [Staphylococcus aureus]
>gi|5834650|emb|CAB55330.1| putative mannitol-1-phosphate 5-dehydrogenase [Staphylococcus aureus]
>gi|5834649|emb|CAB55329.1| Mrp protein [Staphylococcus aureus]
>gi|5834648|emb|CAA71060.2| phosphoglucosamine mutase, GlmM [Staphylococcus aureus]
>gi|5834647|emb|CAB55328.1| hypothetical protein [Staphylococcus aureus]
>gi|5834646|emb|CAB55327.1| hypothetical protein [Staphylococcus aureus]
>gi|5834645|emb|CAB55326.1| arginase [Staphylococcus aureus]
>gi|4775551|emb|CAA71062.1| CTORF1365 [Staphylococcus aureus]
>gi|4775543|emb|CAA70781.1| arginase [Staphylococcus aureus]
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>gi|4775542|emb|CAA70780.1| ORF94 [Staphylococcus aureus]
>gi|46695|emb|CAA25094.1| protein A [Staphylococcus aureus]
>gi|5822514|pdb|3LKF|A Chain A, Leukocidin F (Hlgb) From Staphylococcus Aureus With Phosphocholine
Bound
>gi|5822485|pdb|2LKF|A Chain A, Leukocidin F (Hlgb) From Staphylococcus Aureus
>gi|5822083|pdb|1LKF|A Chain A, Leukocidin F (Hlgb) From Staphylococcus Aureus
>gi|5822030|pdb|1CQV|A Chain A, Crystal Structure Of Staphylococcal Enterotoxin C2 At 100k
>gi|5739084|gb|AAD50329.1|AF077865_1 beta-lactamase [Staphylococcus aureus]
>gi|5726436|gb|AAD48437.1|AF162687_1 sortase [Staphylococcus aureus]
>gi|5726302|gb|AAD48404.1|AF129010_3 CsbB homolog [Staphylococcus aureus]
>gi|5726301|gb|AAD48403.1|AF129010_2 histidine protein kinase SaeS (Staphylococcus aureus)
>gi|5726300|gb|AAD48402.1|AF129010_1 response regulator SaeR [Staphylococcus aureus]
>gi|5690277|gb|AAD47014.1|AF147744_4 transporter [Staphylococcus aureus]
>gi|5690276|gb|AAD47013.1|AF147744_3 lantibiotic modifying enzyme [Staphylococcus aureus]
>gi|5690275|gb|AAD47012.1|AF147744_2 lantibiotic structural protein beta [Staphylococcus aureus]
>gi|5690274|gb|AAD47011.1|AF147744_1 lantibiotic structural protein alpha [Staphylococcus aureus]
>gi|5672689|dbj|BAA13059.2| D-alanine-D-alanyl carrier protein ligase [Staphylococcus aureus]
>gi|1405338|dbj|BAA13062.1| extramembranal protein [Staphylococcus aureus]
>gi|1405337|dbj|BAA13061.1| D-alanyl carrier protein [Staphylococcus aureus]
>gi|1405336|dbj|BAA13060.1| hypothethecal membrane transporter [Staphylococcus aureus]
>gi|1405334|dbj|BAA13058.1| unknown [Staphylococcus aureus]
>gi|5679714|emb|CAB51807.1| cell surface protein map-w (Staphylococcus aureus)
>gi|5531420|emb|CAB50920.1| map-7 protein [Staphylococcus aureus]
>gi|4558750|gb|AAD22731.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558748|gb|AAD22730.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558746|gb|AAD22729.1| heat shock protein 60 kDa [Staphylococcus aureus] >gi|4558744|gb|AAD22728.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558742|gb|AAD22727.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558740|gb|AAD22726.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558738|gb|AAD22725.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558736|gb|AAD22724.1| heat shock protein 60 kDa [Staphylococcus aureus]
>gi|4558706|gb|AAD22709.1| heat shock protein 60 [Staphylococcus aureus subsp. aureus]
>gi|4558704|gb|AAD22708.1| heat shock protein 60 [Staphylococcus aureus subsp. anaerobius]
>gi|4205743|gb|AAD11256.1| heat shock protein 60 [Staphylococcus aureus]
>gi|5542332|pdb|1PVL| Structure Of The Panton-Valentine Leucocidin F Component From Staphylococcus
Aureus
>gi|2642659|gb|AAB87090.1| UDP-N-acetylmuramoyl-L-alanine synthetase [Staphylococcus aureus]
>gi|1916729|gb|AAB51227.1| CadD [Staphylococcus aureus]
>gi|5441303|gb|AAD43176.1|AF098801_1 penicillin-binding protein Pbp2b [Staphylococcus aureus]
>gi|581566|emb|CAA45142.1| mecR1 (Staphylococcus aureus)
>gi|46615|emb|CAA45143.1| mecI [Staphylococcus aureus]
>gi|46613|emb|CAA45141.1| mecA [Staphylococcus aureus]
>gi|5391440|dbj|BAA82253.1| orf2 [Staphylococcus aureus]
>gi|5391439|dbj|BAA82252.1| orfX [Staphylococcus aureus]
>gi|5391438|dbj|BAA82251.1| orf3 [Staphylococcus aureus]
>gi|5391437|dbj|BAA82250.1| orf1 [Staphylococcus aureus]
>gi|5327232|emb|CAB46341.1| adenine methylase [Staphylococcus aureus]
>gi|5327231|emb|CAB46340.1| adenine methaylase [Staphylococcus aureus]
>gi|5327230|emb|CAB46339.1| hypothetical protein [Staphylococcus aureus]
>gi|5114231|gb|AAD40238.1|AF136709_2 histidine kinase YycG [Staphylococcus aureus]
>gi|5114230|gb|AAD40237.1|AF136709_1 response regulator YycF [Staphylococcus aureus]
>gi|3767595|dbj|BAA33858.1| ORF4 [Staphylococcus aureus]
>gi|3767594|dbj|BAA33857.1| Eprh [Staphylococcus aureus]
>gi|3767593|dbj|BAA33856.1| LytN [Staphylococcus aureus]
>gi|3767592|dbj|BAA33855.1| ORF1 [Staphylococcus aureus]
>gi|2605638|gb|AAB84174.1| staphylokinase [Staphylococcus aureus]
>gi|5031413|gb|AAD38159.1|AF151117_1 replication protein [Staphylococcus aureus]
>gi|4930180|pdb|2DHN| Complex Of 7,8-Dihydroneopterin Aldolase From Staphylococcus Aureus With 6-
Hydroxymethyl-7,8-Dihydropterin At 2.2 A Resolution
>gi|4930033|pdb|1DHN| 1.65 Angstrom Resolution Structure Of 7,8-Dihydroneopterin Aldolase From
Staphylococcus Aureus
>gi|4929299|gb|AAD33940.1|AF144661_1 factor essential for methicillin resistance [Staphylococcus
aureus subsp. anaerobius]
>gi|3892895|emb|CAA75651.1| phosphoglucosamine-mutase (Staphylococcus aureus)
>gi|3892894|emb|CAA75650.1| hypothetical protein [Staphylococcus aureus]
>gi|3892893|emb|CAA75649.1| hypothetical protein [Staphylococcus aureus]
>gi|3892892|emb|CAA75648.1| arginase [Staphylococcus aureus]
>gi|4115707|dbj|BAA36484.1| NorA [Staphylococcus aureus]
>gi|4582216|emb|CAB40191.1| elongation factor G (EF-G) [Staphylococcus aureus]
>gi|4574238|gb|AAD23963.1|AF106851_2 FmhC [Staphylococcus aureus]
>gi|4574237|gb|AAD23962.1|AF106851_1 LytN [Staphylococcus aureus]
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>gi|4574235|gb|AAD23961.1|AF106850_1 FmhB [Staphylococcus aureus]
>gi|4574233|gb|AAD23960.1|AF106849_1 FmhA [Staphylococcus aureus]
>gi|4572581|gb|AAD15142.2| Unknown [Staphylococcus aureus]
>gi|3891901|pdb|1CV8! Staphopain, Cysteine Proteinase From Staphylococcus Aureus V8
>gi|2981905|pdb|3NUC| Staphlococcal Nuclease, 1-N-Propane Thiol Disulfide To V23c Variant
>gi|2981899|pdb|2NUC| Staphlococcal Nuclease, Ethane Thiol Disulfide To V23c Variant
>gi|1942332|pdb|1SNQ| Protein Stability In Staphylococcal Nuclease
>gi|1942331|pdb|1SNP| Protein Stability In Staphylococcal Nuclease
                         Protein Stability In Staphylococcal Nuclease
>gi|1942330|pdb|1SNO| Protein Stability In Staphylococcal Nuclease
>gi|4139848|pdb|1SSN| Staphylokinase, Sakstar Variant, Nmr, 20 Structures
>gi|4139648|pdb|1TS5|B Chain B, I140t Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139647|pdb|1TS5|A Chain A, I140t Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139646|pdb|1TS4|B Chain B, Q139k Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139645|pdb|1TS4|A Chain A, Q139k Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139644|pdb|1TS3|C Chain C, H135a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus >gi|4139643|pdb|1TS3|B Chain B, H135a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139642|pdb|1TS3|A Chain A, H135a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139641|pdb|1TS2|C Chain C, T128a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus >gi|4139640|pdb|1TS2|B Chain B, T128a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4139639|pdb|1TS2|A Chain A, T128a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|3891592|pdb|1AW7|D Chain D, Q136a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|3891591|pdb|1AW7|C Chain C, Q136a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus >gi|3891590|pdb|1AW7|B Chain B, Q136a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|3891589|pdb|1AW7|A Chain A, Q136a Mutant Of Toxic Shock Syndrome Toxin-1 From S. Aureus
>gi|4454324|emb|CAA10802.1| MapN protein [Staphylococcus aureus]
>gi|3970797|emb|CAA74099.1| polynucleotide phosphorylase [Staphylococcus aureus]
>gi|4530244|gb|AAD21960.1| putative exoprotein DltD [Staphylococcus aureus]
>gi|4530243|gb|AAD21959.1| D-alanine carrier protein DltC [Staphylococcus aureus]
>gi|4530242|gb|AAD21958.1| putative membrane protein DltB [Staphylococcus aureus]
>gi|4530241|gb|AAD21957.1| D-alanine-D-alanyl carrier protein ligase DltA [Staphylococcus aureus]
>gi|4530240|gb|AAD21956.1| unknown [Staphylococcus aureus]
>gi|4490615|emb|CAB38647.1| triosephosphate isomerase [Staphylococcus aureus]
>gi|4490614|emb|CAB38646.1| phosphoglycerate kinase [Staphylococcus aureus]
>gi|4490613|emb|CAB38645.1| glyceraldehyde-3-phosphate dehydrogenase (Staphylococcus aureus)
>gi|4490612|emb|CAB38644.1| gap regulator [Staphylococcus aureus]
>gi|4490610|emb|CAB38643.1| ribonucleotide reductase minor subunit [Staphylococcus aureus] >gi|4490609|emb|CAB38642.1| ribonucelotide reductase major subunit [Staphylococcus aureus]
>gi|4490608|emb|CAB38641.1| NRD1 [Staphylococcus aureus]
>gi|4454322|emb|CAA10788.1| hypothetical protein [Staphylococcus aureus]
>gi|4454321|emb|CAA10787.1| hypothetical protein [Staphylococcus aureus]
>gi|4126675|dbj|BAA36689.1| Hypothetical protein (Staphylococcus aureus)
>gi|4126674|dbj|BAA36688.1| Hypothetical protein [Staphylococcus aureus]
>gi|4126673|dbj|BAA36687.1| CzrA [Staphylococcus aureus]
>gi|4126672|dbj|BAA36686.1| czcD [Staphylococcus aureus]
>gi|4126671|dbj|BAA36685.1| Hypothetical protein [Staphylococcus aureus]
>gi|4001731|dbj|BAA35101.1| MnhG [Staphylococcus aureus]
>gi|4001730|dbj|BAA35100.1| MnhF [Staphylococcus aureus]
>gi|4001729|dbj|BAA35099.1| MnhE [Staphylococcus aureus]
>gi|4001728|dbj|BAA35098.1| MnhD [Staphylococcus aureus]
>gi|4001727|dbj|BAA35097.1| MnhC [Staphylococcus aureus]
>gi|4001726|dbj|BAA35096.1| MnhB [Staphylococcus aureus]
>gi|4001725|dbj|BAA35095.1| MnhA [Staphylococcus aureus]
>gi|4001724|dbj|BAA35094.1| OrfA [Staphylococcus aureus]
>gi|3694944|gb|AAC62498.1| SirC [Staphylococcus aureus]
>qi|3694943|qb|AAC62497.1| SirB [Staphylococcus aureus]
>gi|3694942|gb|AAC62496.1| lipoprotein SirA [Staphylococcus aureus]
>gi|4138456|emb|CAA11555.1| Map protein (Staphylococcus aureus)
>gi|4138445|emb|CAA77018.1| adenine methylase [Staphylococcus aureus]
>gi|3955031|emb|CAA76853.1| PBP2 [Staphylococcus aureus]
>gi|3955030|emb|CAA76852.1| unknown [Staphylococcus aureus]
>gi|3550596|emb|CAA06652.1| sdr E [Staphylococcus aureus]
>gi|3550594|emb|CAA06651.1| sdrD [Staphylococcus aureus]
>gi|3550592|emb|CAA06650.1| sdrc [Staphylococcus aureus]
>gi|809080|emb|CAA24595.1| reading frame [Staphylococcus aureus]
>gi|3320606|gb|AAD09875.1| putative heme A synthase [Staphylococcus aureus]
>gil4104230|gb|AAD01977.1| phospho-N-acetylmuramoyl-pentapeptide translocase [Staphylococcus aureus]
>gi|4103900|gb|AAD01884.1| 60 kDa heat shock protein [Staphylococcus aureus]
>gi|4097757|gb|AAD00167.1| lytic regulatory protein [Staphylococcus aureus]
>gi|4090655|gb|AAC98834.1| ORF64 [Staphylococcus aureus]
>gi|4090654|gb|AAC98833.1| replication protein [Staphylococcus aureus]
>gi|4090652|gb|AAC98832.1| ORF64 [Staphylococcus aureus]
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>gi|4090651|gb|AAC98831.1| replication protein [Staphylococcus aureus]
>qi|2811118|gb|AAC95492.1| unknown [Staphylococcus aureus]
>gi|2811115|gb|AAC95491.1| unknown [Staphylococcus aureus]
>gi|4009497|gb|AAC95464.1| cell division protein DivIVA [Staphylococcus aureus]
>gi|4009496|gb|AAC95463.1| YlmH [Staphylococcus aureus]
>gi|4009495|gb|AAC95462.1| YlmG [Staphylococcus aureus]
>gi|4009494|gb|AAC95461.1| YlmF [Staphylococcus aureus]
>gi|4009493|gb|AAC95460.1| YlmE [Staphylococcus aureus]
>gi|4009492|gb|AAC95459.1| YlmD [Staphylococcus aureus]
>gi|4009491|gb|AAC95458.1| cell division protein Fts2 (Staphylococcus aureus)
>gi|1402771|gb|AAC80254.1| major cold-shock protein [Staphylococcus aureus]
>gi|3372542|gb|AAC78590.1| enterotoxin J [Staphylococcus aureus]
>gi|3372541|gb|AAC78589.1| enterotoxin D [Staphylococcus aureus]
>gi|3892644|dbj|BAA34540.1| MphBM [Staphylococcus aureus]
>gi|3892643|dbj|BAA34539.1| MsrSA [Staphylococcus aureus]
>gi|3892642|dbj|BAA34538.1| leader peptide [Staphylococcus aureus]
>gi|3850852|emb|CAA76222.1| hypothetical protein [Staphylococcus aureus]
>gi|3850851|emb|CAA76221.1| alr protein [Staphylococcus aureus]
>gi|3850850|emb|CAA76220.1| dpj protein [Staphylococcus aureus]
>gi|3850849|emb|CAA76219.1| hypothetical protein [Staphylococcus aureus]
>gi|3850848|emb|CAA76218.1| hypothetical protein [Staphylococcus aureus]
>gi|3850847|emb|CAA76217.1| hypothetical protein [Staphylococcus aureus]
>gi|3850846|emb|CAA76216.1| kpdC protein [Staphylococcus aureus]
>gi|3800828|gb|AAC69846.1| oligopeptide transporter putative ATPase domain [Staphylococcus aureus]
>gi|3800827|gb|AAC69845.1| oligopeptide transporter putative ATPase domain [Staphylococcus aureus]
>gi|3800826|gb|AAC69844.1| oligopeptide transporter putative membrane permease domain
[Staphylococcus aureus]
>gi|3800825|gb|AAC69843.1| oligopeptide transporter putative membrane permease domain
[Staphylococcus aureus]
>gi|3800823|gb|AAC69842.1| unknown [Staphylococcus aureus]
>gi|3800822|gb|AAC69841.1| oligopeptide transporter putative ATPase domain [Staphylococcus aureus]
>gi|3800821|gb|AAC69840.1| oligopeptide transporter putative ATPase domain [Staphylococcus aureus]
>gi|3800820|gb|AAC69839.1| oligopeptide transporter putative membrane permease domain
[Staphylococcus aureus]
>gi|3800819|gb|AAC69838.1| oligopeptide transporter putative membrane permease domain
[Staphylococcus aureus]
>gi|3800818|gb|AAC69837.1| oligopeptide transporter putative substrate binding domain
[Staphylococcus aureus]
>gi|2765304|emb|CAA73668.1| leukotoxin, LukD [Staphylococcus aureus]
>gi|2765303|emb|CAA73667.1| leukotoxin LukE [Staphylococcus aureus]
>gi|3212829|pdb|5NUC| Staphylococcal Nuclease, 1-N-Pentane Thiol Disulfide To V23c Variant
>gi|3212819|pdb|3SEB| Staphylococcal Enterotoxin B
>gi|2982145|pdb|2SAK| Staphylokinase (Sakstar Variant)
>gi|2914575|pdb|7AHL|G Chain G, Alpha-Hemolysin From Staphylococcus Aureus
>gi|2914574|pdb|7AHL|F Chain F, Alpha-Hemolysin From Staphylococcus Aureus
>gi|2914573|pdb|7AHL|E Chain E, Alpha-Hemolysin From Staphylococcus Aureus
>gi|2914572|pdb|7AHL|D Chain D, Alpha-Hemolysin From Staphylococcus Aureus >gi|2914571|pdb|7AHL|C Chain C, Alpha-Hemolysin From Staphylococcus Aureus
>gi|2914570|pdb|7AHL|B Chain B, Alpha-Hemolysin From Staphylococcus Aureus
>gi|2914569|pdb|7AHL|A Chain A, Alpha-Hemolysin From Staphylococcus Aureus
>gi|2914205|pdb|2SEB|D Chain D, X-Ray Crystal Structure Of Hla-Dr4 Complexed With A Peptide From
Human Collagen Ii
>gi|2780937|pdb|5TSS|B Chain B, Toxic Shock Syndrome Toxin-1: Orthorhombic P222(1) Crystal Form
>gi|2780936|pdb|5TSS|A Chain A, Toxic Shock Syndrome Toxin-1: Orthorhombic P222(1) Crystal Form
>gi|2780930|pdb|4TSS| Toxic Shock Syndrome Toxin-1: Tetragonal P4(1)2(1)2 Crystal Form >gi|2780925|pdb|3TSS| Toxic Shock Syndrome Toxin-1 Tetramutant, P2(1) Crystal Form
>gi|2780919|pdb|2TSS|C Chain C, Toxic Shock Syndrome Toxin-1 From Staphylococcus Aureus:
Orthorhombicc222(1) Crystal Form
>gi|2780918|pdb|2TSS|B Chain B, Toxic Shock Syndrome Toxin-1 From Staphylococcus Aureus:
Orthorhombicc222(1) Crystal Form
>gi|2780917|pdb|2TSS|A Chain A, Toxic Shock Syndrome Toxin-1 From Staphylococcus Aureus:
Orthorhombicc222(1) Crystal Form
>gi|2392714|pdb|2QIL|C Chain C, Toxic Shock Syndrome Toxin-1 At 2.07 A Resolution
>gi|2392713|pdb|2QIL|B Chain B, Toxic Shock Syndrome Toxin-1 At 2.07 A Resolution
>gi|2392712|pdb|2QIL|A Chain A, Toxic Shock Syndrome Toxin-1 At 2.07 A Resolution
>gi|1310952|pdb|2SOB| Sn-Ob, Ob-Fold Sub-Domain Of Staphylococcal Nuclease, Nmr, 10 Structures
>gi|2781288|pdb|15XT|B Chain B, Staphylococcal Enterotoxin Type A (Sea) Co-Crystallised With Zinc
>gi|2781287|pdb|1SXT|A Chain A, Staphylococcal Enterotoxin Type A (Sea) Co-Crystallised With Zinc
>gi|2624726|pdb|1SE4| Staphylococcal Enterotoxin B Complexed With Lactose
>gi|2392546|pdb|1SE3| Staphylococcal Enterotoxin B Complexed With Gm3 Trisaccharide
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>gi|2098291|pdb|1SND|B Chain B, Staphylococcal Nuclease Dimer Containing A Deletion Of Residues 114-
119 Complexed With Calcium Chloride And The Competitive Inhibitor Deoxythymidine-3',5'-Diphosphate
>gi|2098290|pdb|1SND|A Chain A, Staphylococcal Nuclease Dimer Containing A Deletion Of Residues 114-
119 Complexed With Calcium Chloride And The Competitive Inhibitor Deoxythymidine-3',5'-Diphosphate
>gi|1942753|pdb|1STE| Staphylococcal Enterotoxin C2 From Staphylococcus Aureus
>gi|1633348|pdb|1SEB|H Chain H, Complex Of The Human Mhc Class Ii Glycoprotein Hla-Dr1 And The
Bacterial Superantigen Seb
>gi|1633344|pdb|1SEB|D Chain D, Complex Of The Human Mhc Class Ii Glycoprotein Hla-Dr1 And The
Bacterial Superantigen Seb
>gi|1431724|pdb|1SE2| Staphylococcal Enterotoxin C2, Monoclinic Form
>gi|3212584|pdb|10ME|B Chain B, Crystal Structure Of The Omega Loop Deletion Mutant (Residues 163 -
178 Deleted) Of Beta-Lactamase From Staphylococcus Aureus Pcl
>gi|3212583|pdb|10ME|A Chain A, Crystal Structure Of The Omega Loop Deletion Mutant (Residues 163 -
178 Deleted) Of Beta-Lactamase From Staphylococcus Aureus Pcl
>gi|2392515|pdb|1QIL|C Chain C, Inactive Mutant Toxic Shock Syndrome Toxin-1 At 2.5 A
>gi|2392514|pdb|1QIL|B Chain B, Inactive Mutant Toxic Shock Syndrome Toxin-1 At 2.5 A
>gi|2392513|pdb|1QIL|A Chain A, Inactive Mutant Toxic Shock Syndrome Toxin-1 At 2.5 A
>gi|2392479|pdb|1NUC| Staphylococcal Nuclease, V23c Variant
>gi|2624537|pdb|1JCK|D Chain D, T-Cell Receptor Beta Chain Complexed With Sec3 Superantigen
>gi|2624535|pdb|1JCK|B Chain B, T-Cell Receptor Beta Chain Complexed With Sec3 Superantigen
>gi|2098496|pdb|1KGE| Structure Of Beta-Lactamase Asn 170 Met Mutant
>gi|1942204|pdb|1KGF| Structure Of Beta-Lactamase Asn 170 Gln Mutant
>gi|1827772|pdb|1KNY|B Chain B, Kanamycin Nucleotidyltransferase
>gi|1827771|pdb|1KNY|A Chain A, Kanamycin Nucleotidyltransferase
>gi|2982092|pdb|1EXF|A Chain A, Exfoliative Toxin A
>gi|2098519|pdb|1EDL| Staphylococcal Protein A E-Domain (-60), Nmr, 22 Structures
>gi|2098517|pdb|1EDI| Staphylococcal Protein A E-Domain (180), Nmr, Minimized Average Structure
>gi|2098516|pdb|1EDJ| Staphylococcal Protein A E-Domain (180), Nmr, 20 Structures
                        Staphylococcal Protein A E-Domain (180), Nmr, 20 Structures
>gi|2098515|pdb|1EDK| Staphylococcal Protein A E-Domain (-60), Nmr, Minimized Average Structure
>gi|1942144|pdb|1DJC| Structure Of Beta-Lactamase Precursor, S70a Mutant, At 120k
>gi|1942143|pdb|1DJB| Structure Of Beta-Lactamase Precursor, S70a Mutant, At 298k
>gi|1942142|pdb|1DJA| Structure Of Beta-Lactamase Precursor, K73h Mutant, At 298k
>gi|1633233|pdb|1ESF|B Chain B, Staphylococcal Enterotoxin A
>gi|1633232|pdb|1ESF|A Chain A, Staphylococcal Enterotoxin A
>gi|1942696|pdb|1BDD| Staphylococcus Aureus Protein A, Immunoglobulin-Binding B Domain, Nmr,
Minimized Average Structure
>gi|1942695|pdb|1BDC| Staphylococcus Aureus Protein A, Immunoglobulin-Binding B Domain, Nmr, 10
Structures
>gi|3318765|pdb|1AMX| Collagen-Binding Domain From A Staphylococcus Aureus Adhesin
>gi|3212427|pdb|1AD4|B Chain B, Dihydropteroate Synthetase Complexed With Oh-Ch2-Pterin-
Pyrophosphate From Staphylococcus Aureus
>gi|3212426|pdb|1AD4|A Chain A, Dihydropteroate Synthetase Complexed With Oh-Ch2-Pterin-
Pyrophosphate From Staphylococcus Aureus
>gi|3212425|pdb|1AD1|B Chain B, Dihydropteroate Synthetase (Apo Form) From Staphylococcus Aureus
>gi|3212424|pdb|1AD1|A Chain A, Dihydropteroate Synthetase (Apo Form) From Staphylococcus Aureus
>gi|2554719|pdb|1AGJ|B Chain B, Epidermolytic Toxin A From Staphylococcus Aureus
>gi|2554718|pdb|1AGJ|A Chain A, Epidermolytic Toxin A From Staphylococcus Aureus
>gi|2554635|pdb|1ALQ| Circularly Permuted Beta-Lactamase From Staphylococcus Aureus Pc1 >gi|2392077|pdb|1AEX| Staphylococcal Nuclease, Methane Thiol Disulfide To V23c Variant
>gi|3212327|pdb|1A3V| Staphylococcal Nuclease, Cyclopentane Thiol Disulfide To V23c Variant
>gi|3212326|pdb|1A3U|
                        Staphylococcal Nuclease, Cyclohexane Thiol Disulfide To V23c Variant
>gi|3212325|pdb|1A3T| Staphylococcal Nuclease, V23c Variant, Complex With 2-Fluoroethane Thiol And
3',5'-Thymidine Diphosphate
>gi|3212274|pdb|1A2U| Staphylococcal Nuclease, V23c Variant, Complex With 1-N-Butane Thiol And
3',5'-Thymidine Diphosphate
>gi|3212273|pdb|1A2T| Staphylococcal Nuclease, B-Mercaptoethanol Disulfide To V23c Variant
>gi|3776113|emb|CAA11406.1| succinate dehydrogenase complex, cytochrome b558 subunit {Staphylococcus
aureusl
>gi|3776112|emb|CAA11405.1| excinuclease ABC, subunit C [Staphylococcus aureus]
>gi|3776111|emb|CAA11404.1| thioredoxin [Staphylococcus aureus]
>gi|3776110|emb|CAA11403.1| MutS-like protein [Staphylococcus aureus]
>gi|3747042|gb|AAC64162.1| tyrosine recombinase XerD [Staphylococcus aureus]
>gi|3676411|gb|AAC63227.1| putative transposase TnpE [Staphylococcus aureus]
>gi|3676410|gb|AAC63226.1| thymidylate synthetase ThyE [Staphylococcus aureus]
>gi|3676409|gb|AAC63225.1| trimethoprim resistance protein DfrA [Staphylococcus aureus]
>gi|3676408|gb|AAC63224.1| unknown [Staphylococcus aureus]
>gi|3676407|gb|AAC63223.1| putative transposase TnpD [Staphylococcus aureus]
>gi|3676406|gb|AAC63222.1| replication protein Rep [Staphylococcus aureus]
>gi|3676405|gb|AAC63221.1| putative transposase TnpC {Staphylococcus aureus}
>gi|3676456|gb|AAC61974.1| putative transposase TnpG [Staphylococcus aureus]
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>gi|3676455|gb|AAC61973.1| putative transposase TnpF [Staphylococcus aureus]

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>gi|3676454|gb|AAC61972.1| bifunctional aminoglycoside modifying enzyme AacA-AphD [Staphylococcus
>gi|3676453|gb|AAC61971.1| unknown [Staphylococcus aureus]
>gi|3676452|gb|AAC61970.1| putative transposase TnpE [Staphylococcus aureus]
>gi|3676451|gb|AAC61969.1| multidrug resistance efflux protein Smr [Staphylococcus aureus]
>gi|3676450|gb|AAC61968.1| putative replication initiation protein Rep(RC) [Staphylococcus aureus]
>gi|3676449|gb|AAC61967.1| putative transposase TnpD [Staphylococcus aureus]
>gi|3676448|gb|AAC61966.1| unknown [Staphylococcus aureus]
>gi|3676447|gb|AAC61965.1| putative single-stranded DNA binding protein Tram [Staphylococcus aureus]
>gi|3676446|gb|AAC61964.1| putative membrane protein TraL [Staphylococcus aureus]
>gi|3676445|gb|AAC61963.1| putative membrane protein Trak [Staphylococcus aureus]
>gi|3676444|gb|AAC61962.1| putative membrane protein TraJ [Staphylococcus aureus]
>gi|3676443|gb|AAC61961.1| putative topoisomerase TraI [Staphylococcus aureus]
>gi|3676442|gb|AAC61960.1| lipoprotein TraH [Staphylococcus aureus]
>gi|3676441|gb|AAC61959.1| putative membrane protein TraG [Staphylococcus aureus]
>gi|3676440|gb|AAC61958.1| putative membrane protein TraF [Staphylococcus aureus]
>gi|3676439|gb|AAC61957.1| putative ATPase TraE [Staphylococcus aureus]
>gi|3676438|gb|AAC61956.1| TraD [Staphylococcus aureus]
>gi|3676437|gb|AAC61955.1| putative membrane protein TraC [Staphylococcus aureus]
>gi|3676436|gb|AAC61954.1| putative membrane protein TraB [Staphylococcus aureus]
>gi|3676435|gb|AAC61953.1| TraA [Staphylococcus aureus]
>gi|3676434|gb|AAC61952.1| putative regulator of transfer genes ArtA [Staphylococcus aureus]
>gi|3676433|gb|AAC61951.1| putative transposase TnpC [Staphylococcus aureus]
>gi|3676432|gb|AAC61950.1| aminoglycoside adenyltransferase AadD [Staphylococcus aureus]
>gi|3676431|gb|AAC61949.1| bleomycin resistance protein Ble [Staphylococcus aureus]
>gi|3676430|gb|AAC61948.1| Pre [Staphylococcus aureus]
>gi|3676429|gb|AAC61947.1| putative transposase TnpB [Staphylococcus aureus]
>gi|3676428|gb|AAC61946.1| membrane protein [Staphylococcus aureus]
>gi|3676427|gb|AAC61945.1| putative transposase TnpA [Staphylococcus aureus]
>gi|3676426|gb|AAC61944.1| putative replication initiation protein Rep [Staphylococcus aureus]
>gi|3676425|gb|AAC61943.1| unknown [Staphylococcus aureus]
>gi|3676424|gb|AAC61942.1| unknown [Staphylococcus aureus]
>gi|3676423|gb|AAC61941.1| unknown [Staphylococcus aureus]
>gi|3676422|gb|AAC61940.1| putative membrane protein [Staphylococcus aureus]
>gi|3676421|gb|AAC61939.1| unknown [Staphylococcus aureus]
>gi|3676420|gb|AAC61938.1| oriT nickase Nes [Staphylococcus aureus]
>gi|3676419|gb|AAC61937.1| LtrC-like protein [Staphylococcus aureus]
>gi|3676418|gb|AAC61936.1| unknown [Staphylococcus aureus]
>gi|3676417|gb|AAC61935.1| unknown [Staphylococcus aureus]
>gi|3676416|gb|AAC61934.1| putative resolvase Res [Staphylococcus aureus]
>gi|3676415|gb|AAC61933.1| unknown [Staphylococcus aureus]
>gi|3676414|gb|AAC61932.1| unknown [Staphylococcus aureus]
>gi|3676413|gb|AAC61931.1| unknown [Staphylococcus aureus]
>gi|410007|gb|AAC60446.1| leukocidin F component [Staphylococcus aureus, MRSA No. 4, Peptide, 323
aal
>gi|410006|gb|AAC60445.1| leukocidin S component [Staphylococcus aureus, MRSA No. 4, Peptide, 315
aal
gi|410005|gb|AAC60444.1| gamma-hemolysin II, H gamma II (Staphylococcus aureus, MRSA No. 4,
Peptide, 309 aal
>gi|2271510|gb|AAC46291.1| UDP-N-acetylmuramoyl-L-alanine : D-glutamate ligase; MurD (Staphylococcus
aureus]
>gi|1773355|gb|AAC46099.1| Cap5P [Staphylococcus aureus]
>gi|1773354|gb|AAC46098.1| Cap50 [Staphylococcus aureus]
>gi|1773353|gb|AAC46097.1| Cap5N [Staphylococcus aureus]
>gi|1773352|gb|AAC46096.1| Cap5M [Staphylococcus aureus]
>gi|1773351|gb|AAC46095.1| Cap5L [Staphylococcus aureus]
>gi|1773350|gb|AAC46094.1| Cap5K [Staphylococcus aureus]
>gi|1773349|gb|AAC46093.1| Cap5J [Staphylococcus aureus]
>gi|1773348|gb|AAC46092.1| Cap5I [Staphylococcus aureus]
>gi|1773347|gb|AAC46091.1| Cap5H [Staphylococcus aureus]
>gi|1773346|gb|AAC46090.1| Cap5G [Staphylococcus aureus]
>gi|1773345|gb|AAC46089.1| Cap5F [Staphylococcus aureus]
>gi|1773344|gb|AAC46088.1| Cap5E [Staphylococcus aureus]
>gi|1773343|gb|AAC46087.1| Cap5D [Staphylococcus aureus]
>gi|1773342|gb|AAC46086.1| Cap5C [Staphylococcus aureus]
>gi|1773341|gb|AAC46085.1| Cap5B [Staphylococcus aureus]
>gi|1773340|gb|AAC46084.1| Cap5A [Staphylococcus aureus]
>gi|1673629|gb|AAC46100.1| O-acetyl transferase [Staphylococcus aureus]
>gi|706922|gb|AAC46354.1| ribosomal protein S7 [Staphylococcus aureus]
>gi|706921|gb|AAC46353.1| ribosomal protein S12 [Staphylococcus aureus]
>gi|706920|gb|AAC46352.1| unknown [Staphylococcus aureus]
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>gi|2589184|gb|AAC45836.1| GSA-1-aminotransferase [Staphylococcus aureus]
>gi|2589183|gb|AAC45835.1| d-aminolevulinic acid dehydratase [Staphylococcus aureus]
>gi|2589182|gb|AAC45834.1| uroporphyrinogen III synthase [Staphylococcus aureus]
>gi|2589181|gb|AAC45833.1| porphobilinogen deaminase [Staphylococcus aureus]
>gi|2149898|gb|AAC45629.1| cell division protein [Staphylococcus aureus]
>gi|2149897|gb|AAC45628.1| cell division protein [Staphylococcus aureus]
>gi|2149896|gb|AAC45627.1| cell division protein [Staphylococcus aureus]
>gi|2149895|gb|AAC45626.1| D-glutamic acid adding enzyme [Staphylococcus aureus]
>gi|2149894|gb|AAC45625.1| phospho-N-muramic acid-pentapeptide translocase [Staphylococcus aureus]
>gi|2149893|gb|AAC45624.1| penicillin-binding protein 1 [Staphylococcus aureus]
>gi!2149892|gb|AAC45623.1| cell division protein [Staphylococcus aureus]
>gi|2149891|gb|AAC45622.1| unknown [Staphylococcus aureus]
>gi|2149890|gb|AAC45621.1| unknown [Staphylococcus aureus]
>gi|1314302|gb|AAC45357.1| isoleucyl-tRNA synthetase [Staphylococcus aureus]
>gi|1314301|gb|AAC45356.1| unknown [Staphylococcus aureus]
>gi|1575026|gb|AAC44840.1| LrgB
>gi|1575025|gb|AAC44839,1| holin-like protein LrgA
>gi|710422|gb|AAC44803.1| cmp-binding-factor 1
>gi|710421|gb|AAC44802.1| unknown
>gi|1595810|gb|AAC44435.1| type-I signal peptidase SpsB [Staphylococcus aureus]
>gi|1595809|gb|AAC44434.1| type-I signal peptidase SpsA [Staphylococcus aureus]
>gi|1397239|gb|AAC44135.1| elastin binding protein
>gi|1001961|gb|AAC43470.1| MHC class II analog
>gi|3327949|gb|AAC38785.1| putative recombinase Sin [Staphylococcus aureus]
>gi|3327948|gb|AAC38784.1| multidrug efflux protein QacB [Staphylococcus aureus]
>gi|3327947|gb|AAC38783.1| transcriptional regulator QacR [Staphylococcus aureus]
>gi|3327945|gb|AAC38782.1| putative transposase TnpA [Staphylococcus aureus]
>gi|3327944|gb|AAC38781.1| delta-orf186 [Staphylococcus aureus]
>gi|3327943|gb|AAC38780.1| multidrug efflux protein QacB [Staphylococcus aureus]
>gi|3327942|gb|AAC38779.1| transcriptional regulator QacR [Staphylococcus aureus]
>gi|3135292|gb|AAC38560.1| large conductance mechanosensitive channel [Staphylococcus aureus]
>gi|2827912|gb|AAC38446.1| IgG-binding protein SBI [Staphylococcus aureus]
>gi|2565311|gb|AAC38087.1| high affinity proline permease [Staphylococcus aureus]
>gi|2315995|gb|AAC38146.1| branched-chain amino acid carrier protein [Staphylococcus aureus]
>gi|4379428|emb|CAA11546.1| thioredoxin reductase [Staphylococcus aureus]
>gi|3445567|gb|AAC32485.1| transport protein [Staphylococcus aureus]
>gi|3445566|gb|AAC32484.1| repressor protein (Staphylococcus aureus)
>gi|3411114|gb|AAC31156.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411112|gb|AAC31155.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411110|gb|AAC31154.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411108|gb|AAC31153.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411106|gb|AAC31152.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411104|gb|AAC31151.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411102|gb|AAC31150.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411100|gb|AAC31149.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411098|gb|AAC31148.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411096|gb|AAC31147.1| DNA topoisomerase IV subunit A [Staphylococcus aureus]
>gi|3411092|gb|AAC31144.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411090|gb|AAC31143.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411088|gb|AAC31142.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411086|gb|AAC31141.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411084|gb|AAC31140.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411082|gb|AAC31139.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411080|gb|AAC31138.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411078|gb|AAC31137.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411076|gb|AAC31136.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|3411074|gb|AAC31135.1| DNA gyrase subunit A; topoisomerase [Staphylococcus aureus]
>gi|2689564|gb|AAC28969.1| integrase [Staphylococcus aureus]
>gi|2689563|gb|AAC28968.1| enterotoxin [Staphylococcus aureus]
>gi|2689562|gb|AAC28967.1| orf15 [Staphylococcus aureus]
>gi|2689561|gb|AAC28966.1| orf14 [Staphylococcus aureus]
>gi|2689560|gb|AAC28965.1| orf13 [Staphylococcus aureus]
>gi|2689559|gb|AAC28964.1| orf12 [Staphylococcus aureus]
>gi|2689558|gb|AAC28963.1| orf11 [Staphylococcus aureus]
>gi|2689557|gb|AAC28962.1| orf10 [Staphylococcus aureus]
>gi|2689556|gb|AAC28961.1| orf9 (Staphylococcus aureus)
>gi|2689555|gb|AAC28960.1| orf8 [Staphylococcus aureus]
>gi|2689554|gb|AAC28959.1| orf7 [Staphylococcus aureus]
>gi|2689553|gb|AAC28958.1| orf6 [Staphylococcus aureus]
>gi|2689552|gb|AAC28957.1| orf5 [Staphylococcus aureus]
>gi|2689551|gb|AAC28956.1| orf4 [Staphylococcus aureus]
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>gi|2689550|gb|AAC28955.1| orf3 [Staphylococcus aureus]
>gi|2689549|gb|AAC28954.1| toxic shock syndrome toxin-1 [Staphylococcus aureus]
>gi|2689548|gb|AAC28953.1| orf1 [Staphylococcus aureus]
>gi|3393011|emb|CAA12115.1| Clumping factor B [Staphylococcus aureus]
>gi|3323613|gb|AAC26661.1| extracellular enterotoxin type I precursor [Staphylococcus aureus]
>gi|3323611|gb|AAC26660.1| extracellular enterotoxin type G precursor [Staphylococcus aureus]
>gi|3256224|emb|CAA74741.1| ypfP [Staphylococcus aureus]
>gi|3256223|emb|CAA74740.1| UDP-N-acetylmuramyl-tripeptide synthetase [Staphylococcus aureus]
>gi|3256222|emb|CAA74739.1| peptide chain release factor 3 [Staphylococcus aureus]
>gi|230814|pdb|3BLM| Beta-Lactamase (E.C.3.5.2.6)
>gi|230746|pdb|2SNS| Staphylococcal Nuclease (E.C.3.1.33.1) Complex With 2(Prime)-Deoxy-3(Prime)-
5(Prime) - Diphosphothymidine
>gi|230745|pdb|2SNM| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Val 66 Replaced By Lys
(V66k)
>gi|576398|pdb|2ENB| Staphylococcal Nuclease (E.C.3.1.31.1) Mutation With Asp 21 Replaced By Glu
(D21e) Complexed With The Inhibitor Thymidine 3',5'-Diphosphate
>gi|443374|pdb|2DTB| Delta-Toxin (Delta-Haemolysin) (Nmr, 9 Structures)
>gi|1421454|pdb|1ZER| Mol_id: 1; Molecule: Histidine-Containing Phosphocarrier Protein; Chain:
Null; Synonym: Hpr
>gi|576294|pdb|1SYG| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Pro 117 Replaced By Ala
(P117a)
>gi|576293|pdb|1SYF| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Pro 117 Replaced By Thr
(P117t) Complexed With 2'-Deoxy-3'-5'-Diphosphothymidine And Calcium
>gi|576292|pdb|1SYE| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Pro 117 Replaced By Thr
(P117t)
>gi|576291|pdb|1SYD| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Pro 117 Replaced By Gly
(P117g) Complexed With 2'-Deoxy-3'-5'-Diphosphothymidine And Calcium
>gi|576290|pdb|1SYC| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Pro 117 Replaced By Gly
(P117a)
>gi|576289|pdb|1SYB| Staphylococcal Nuclease (E.C.3.1.31.1) With Residues 27 - 31 (Tyr-Lys-Gly-Gln-
Pro) Replaced With Residues 160 - 165 Of Concanavalin A (Ser-Ser-Asn-Gly-Ser-Pro) Complexed With 2'-
Deoxy-3'-5'-Diphosphothymidine And Calcium
>gi|349914|pdb|1STY| Staphylococcal Nuclease (E.C.3.1.31.1) Insertion Mutant With Glycine Residue
Inserted In An Alpha Helix, Between Arg126 And Lys127 (126g127) Complex With Calcium And Inhibitor
Thymidine 3',5'-Bisphosphate)
>gi|999674|pdb|lSTH| Staphylococcal Nuclease (E.C.3.1.31.1) Complexed With Co(Ii) Ion And Thymidine
3',5'-Bisphosphate (Pdtp)
>gi|999672|pdb|1STG| Staphylococcal Nuclease (E.C.3.1.31.1)
>gi|576287|pdb|1STN| Staphylococcal Nuclease (E.C.3.1.31.1)
>gi|576286|pdb|1STB| Staphylococcal Nuclease (E.C.3.1.31.1) Insertion Mutant With Leu Inserted At
The End Of The Third Beta-Strand Between Leu 36 And Leu 37 (Ins(L36-L)) Complexed With Thymidine
3',5'-Diphosphate And Calcium
>gi|576285|pdb|1STA| Staphylococcal Nuclease (E.C.3.1.31.1) Double Insertion Mutant With Two
Glycine Residues Inserted In The First Beta Strand Between Pro 11 And Ala 12 (Ins(Pll-Gg)) Complexed
With Calcium And The Inhibitor Thymidine 3',5'-Diphosphate
>gi|230332|pdb|1SNM| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant (Glu 43 Replaced By Asp) (E43D)
Complex With A Calcium Ion And 3-Prime, 5-Prime-Deoxythymidine Bisphosphate
>gi|230331|pdb|1SNC| Staphylococcal Nuclease (E.C.3.1.31.1) Complex With A Calcium Ion And 3-Prime,
5-Prime-Deoxythymidine Bisphosphate
>gi|1431686|pdb|1PIO|B Chain B, Mol_id: 1; Molecule: Beta-Lactamase; Chain: A, B; Synonym:
Penicillinase; Ec: 3.5.2.6; Engineered: Yes; Mutation: Ins(Met 30), A238s, Del(I239)
>gi|1431685|pdb|1PIO|A Chain A, Mol_id: 1; Molecule: Beta-Lactamase; Chain: A, B; Synonym: Penicillinase; Ec: 3.5.2.6; Engineered: Yes; Mutation: Ins(Met 30), A238s, Del(I239)
>gi|1127093|pdb|1NSN|S Chain S, Immunoglobulin, Staphylococcal Nuclease Mol id: 1; Molecule: Igg Fab
(Igg1, Kappa); Chain: L, H; Domain: Fragment N10; Synonym: N10 Fab Immunoglobulin; Mol_id: 2;
Molecule: Staphylococcal Nuclease; Chain: S; Synonym: Staphylococcal Nuclease Ribonucleate,
(Deoxyribonucleate) -3'-Nucleotidohydrolase; Ec: 3.1.31.1; Engineered: Yes
>gi|999581|pdb|1KDC| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Lys 116 Replaced By Asn
(K116n)
>gi|999578|pdb|1KDB| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Lys 116 Replaced By Glu
(K116e)
>gi|999577|pdb|1KDA| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Lys 116 Replaced By Asp
(K116d)
>gi|640137|pdb|1KAN|B Chain B, Kanamycin Nucleotidyltransferase (E.C.2.7.7.-) Mutant With Asp 80
Replaced By Tyr And Thr 130 Replaced By Lys (D80y,T130k)
>gi|640136|pdb|1KAN|A Chain A, Kanamycin Nucleotidyltransferase (E.C.2.7.7.-) Mutant With Asp 80
Replaced By Tyr And Thr 130 Replaced By Lys (D80y,T130k)
>gi|494228|pdb|1KAB| Staphylococcal Nuclease (E.C.3.1.33.1) Mutant With Lys 116 Replaced By Gly
(K116a)
>gi|494227|pdb|1KAA| Staphylococcal Nuclease (E.C.3.1.33.1) Mutant With Lys 116 Replaced By Ala
(K:116a)
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>gi|229907|pdb|1FC2|C Chain C, Immunoglobulin Fc And Fragment B Of Protein A Complex
>gi|576100|pdb|1ENC| Staphylococcal Nuclease (E.C.3.1.31.1) Mutant With Asp 21 Replaced By Glu
(D21e) Complexed With A Calcium Ion And The Inhibitor Thymidine 3',5'-Diphosphate
>gi|576099|pdb|1ENA| Staphylococcal Nuclease (E.C.3.1.31.1) Mutation With Asp 21 Replaced By Glu
(D21e) Complexed With A Calcium Ion
>gi|442844|pdb|1DTC| Acetyl-Delta-Toxin (Acetyl-Delta-Haemolysin) (Nmr, 12 Structures)
>gi|640251|pdb|1BLH| Beta-Lactamase (E.C.3.5.2.6) Complexed With [[n-
(Benzyloxycarbonyl) amino] methyl] phosphonate
>gi|515092|pdb|1BLP| Beta-Lactamase (E.C.3.5.2.6) P54 Mutant With Asp 179 Replaced By Asn (D179n)
>gi|493890|pdb|1BLC| Beta-Lactamase (E.C.3.5.2.6) Complex With Degradation Products Of Clavulanate
>gi|3152725|gb|AAC17130.1| enolase [Staphylococcus aureus]
>gi|2463563|dbj|BAA22556.1| MURD [Staphylococcus aureus]
>gi|2463562|dbj|BAA22555.1| MRAY [Staphylococcus aureus]
>gi|2463561|dbj|BAA22554.1| penicillin-binding protein 1 [Staphylococcus aureus]
>gi|2463560|dbj|BAA22553.1| unnamed protein product [Staphylococcus aureus]
>gi|2463559|dbj|BAA22552.1| unnamed protein product [Staphylococcus aureus]
>gi|1835218|emb|CAA71057.1| seryl-trna synthetase [Staphylococcus aureus]
>gi|3122772|sp|031203|RRF1_STAAU PROBABLE RIBOSOME RECYCLING FACTOR (RIBOSOME RELEASING FACTOR)
>gi|1488695|gb|AAC12901.1| novel antigen; orf-2 [Staphylococcus aureus]
>gi|2826896|dbj|BAA24572.1| RecG [Staphylococcus aureus]
>gi|2791991|emb|CAA74380.1| putative transposase [Staphylococcus aureus]
>gi!2791990|emb|CAA74379.1| hypothetical protein [Staphylococcus aureus]
>gi|2791989|emb|CAA74378.1| hypothetical protein [Staphylococcus aureus] >gi|2791988|emb|CAA74377.1| hypothetical protein [Staphylococcus aureus]
>gi|2791987|emb|CAA74376.1| PBP2A [Staphylococcus aureus]
>gi|2791986|emb|CAA74375.1| MecR1 protein [Staphylococcus aureus]
>gi|2791985|emb|CAA74374.1| MecI protein [Staphylococcus aureus]
>gi|2791984|emb|CAA74373.1| putative repressor [Staphylococcus aureus]
>gi|2769708|gb|AAB95639.1| pristinamycin resistance protein VgaB [Staphylococcus aureus]
>gi|2736228|gb|AAB94106.1| transducer protein [Staphylococcus aureus]
>gi|2736227|gb|AAB94105.1| mutant sensor protein [Staphylococcus aureus]
>gi|2736226|gb|AAB94104.1| pre-pheromone [Staphylococcus aureus]
>gi|2736225|gb|AAB94103.1| signal transduction protein [Staphylococcus aureus]
>gi|2736223|gb|AAB94102.1| transducer protein [Staphylococcus aureus]
>gi|2736222|gb|AAB94101.1| mutant sensor protein [Staphylococcus aureus]
>gi|2736221|gb|AAB94100.1| pre-pheromone [Staphylococcus aureus]
>gi|2736220|gb|AAB94099.1| signal transduction protein [Staphylococcus aureus]
>qi|2736218|gb|AAB94098.1| transducer protein [Staphylococcus aureus]
>gi|2736217|gb|AAB94097.1| mutant sensor protein (Staphylococcus aureus)
>gi|2736216|gb|AAB94096.1| pre-pheromone [Staphylococcus aureus]
>gi|2736215|gb|AAB94095.1| signal transduction protein [Staphylococcus aureus]
>gi|2696796|dbj|BAA24012.1| Fmt [Staphylococcus aureus]
>gi|2696713|dbj|BAA24009.1| integrase [Staphylococcus aureus]
>gi|2696712|dbj|BAA24008.1| LukF-PV [Staphylococcus aureus]
>gi|2696711|dbj|BAA24007.1| LukS-PV [Staphylococcus aureus]
>gi|216977|dbj|BAA00126.1| staphylocoagulase precursor [Staphylococcus aureus]
>gi|773396|emb|CAA39963.1| QacA protein [Staphylococcus aureus]
gi|46660|emb|CAA39962.1| ORF188, has identity with known regulators such as tet regulator in Tn10=
[Staphylococcus aureus]
>gi|2645713|gb|AAB87473.1| ribosome recycling factor [Staphylococcus aureus]
>gi|2641998|dbj|BAA23610.1| lipophilic protein [Staphylococcus aureus]
>gi|2580436|dbj|BAA23141.1| histidyl-tRNA synthetase [Staphylococcus aureus]
>gi|2580435|dbj|BAA23140.1| N-acetylmuramoyl-L-alanine amidase [Staphylococcus aureus]
>gi|2580434|dbj|BAA23139.1| ORF1 [Staphylococcus aureus]
>gi|2580433|dbj|BAA23138.1| ppGpp hydrolase [Staphylococcus aureus]
>gi|2580432|dbj|BAA23137.1| adenine phosphoribosyltransferase [Staphylococcus aureus]
>gi|1575062|gb|AAB81288.1| lytS [Staphylococcus aureus]
>gi|1575061|gb|AAB81287.1| ScdA [Staphylococcus aureus]
>gi|1694677|dbj|BAA13755.1| DnaA [Staphylococcus aureus]
>gi|2506163|gb|AAB81232.1| AgrD [Staphylococcus aureus]
>gi|1916240|gb|AAB81231.1| AgrA [Staphylococcus aureus]
>gi|1916239|gb|AAB81230.1| AgrC-31 [Staphylococcus aureus]
>gi|1916238|gb|AAB81229.1| AgrB [Staphylococcus aureus]
>gi|2506165|gb|AAB80783.1| AgrD [Staphylococcus aureus]
>gi|2506164|gb|AAB80779.1| AgrD [Staphylococcus aureus]
>gi|1916248|gb|AAB80782.1| AgrA [Staphylococcus aureus]
>gi|1916247|gb|AAB80781.1| AgrC [Staphylococcus aureus]
>gi|1916246|gb|AAB80780.1| AgrB [Staphylococcus aureus]
>gi|1916244|gb|AAB80778.1| AgrA [Staphylococcus aureus]
>gi|1916243|gb|AAB80777.1| AgrC [Staphylococcus aureus]
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>gi|1916242|gb|AAB80776.1| AgrB [Staphylococcus aureus]
>gi|2344765|dbj|BAA21889.1| glutamic acid-specific protease [Staphylococcus aureus]
>gi|2302281|emb|CAA03107.1| unnamed protein product [Staphylococcus aureus]
>gi|2302279|emb|CAA03106.1| unnamed protein product [Staphylococcus aureus]
>gi|2258300|gb|AAB63269.1| AgrC [Staphylococcus aureus]
>gi|2258299|gb|AAB63268.1| AgrD [Staphylococcus aureus]
>gi|2258298|gb|AAB63267.1| AgrB [Staphylococcus aureus]
>gi|2258296|gb|AAB63266.1| AgrC [Staphylococcus aureus]
>gi|2258295|gb|AAB63265.1| AgrD [Staphylococcus aureus]
>gi|2258294|gb|AAB63264.1| AgrB [Staphylococcus aureus]
>gi|2239274|gb|AAB62278.1| peptidoglycan hydrolase [Staphylococcus aureus]
>gi|2224842|emb|CAA52098.1| squalene synthase [Staphylococcus aureus]
>gi|2224841|emb|CAA52097.1| squalene desaturase [Staphylococcus aureus]
>gi|437916|emb|CAA52296.1| isoleucyl-tRNA synthetase [Staphylococcus aureus]
>gi|2190507|emb|CAA71446.1| outer surface binding 70kD protein [Staphylococcus aureus]
>qi|153069|qb|AAB59090.1| sigma factor
>gi|4433370|dbj|BAA22521.1| lipophilic protein which affects bacterial lysis rate and methicillin
resistance level [Staphylococcus aureus]
>gi|1262748|dbj|BAA12148.1| LukF-PV like component [Staphylococcus aureus]
>gi|1230554|dbj|BAA12147.1| LukM component [Staphylococcus aureus]
>gi|725454|dbj|BAA04185.1| autolysin [Staphylococcus aureus]
>gi|725453|dbj|BAA04184.1| ORF3 [Staphylococcus aureus]
>gi|725452|dbj|BAA04183.1| ORF2 (Staphylococcus aureus)
>gi|725451|dbj|BAA04182.1| ORF1 [Staphylococcus aureus]
>gi|540542|dbj|BAA01370.1| DNA gyrase A [Staphylococcus aureus]
>gi|540541|dbj|BAA01369.1| DNA gyrase B [Staphylococcus aureus]
>gi|522106|dbj|BAA06360.1| HSP40 [Staphylococcus aureus]
>gi|487331|dbj|BAA06361.1| ORF35 [Staphylococcus aureus]
>gi|487327|dbj|BAA06357.1| ORF37 [Staphylococcus aureus]
>gi|441211|dbj|BAA06359.1| HSP70 [Staphylococcus aureus]
>gi|441210|dbj|BAA06358.1| HSP20 (Staphylococcus aureus)
>gi|441208|dbj|BAA03533.1| HSP60 [Staphylococcus aureus]
>gi|441207|dbj|BAA03532.1| HSP10 [Staphylococcus aureus]
>gi|216975|dbj|BAA14147.1| ORF for norA [Staphylococcus aureus]
>gi|1483182|dbj|BAA13160.1| DNA polymerase III [Staphylococcus aureus]
>gi|1777321|dbj|BAA11087.1| DNA topoisomerase IV GrlA subunit [Staphylococcus aureus]
>gi|1777320|dbj|BAA11086.1| DNA topoisomerase IV GrlB subunit [Staphylococcus aureus]
>gi|1777318|dbj|BAA11085.1| DNA topoisomerase IV GrlA subunit [Staphylococcus aureus]
>gi|1777317|dbj|BAA11084.1| DNA topoisomerase IV GrlB subunit [Staphylococcus aureus]
>gi|628920|pir||S40421 hypothetical protein - Staphylococcus aureus
>gi|97848|pir||S12902 ricin chain A - Staphylococcus aureus
>gi|97853|pir||S14180 transposase - Staphylococcus aureus (fragment)
>gi|79909|pir||JU0116 transposase (insertion sequence IS431) - Staphylococcus aureus
>gi|79889|pir||S00092 penicillin-binding protein - Staphylococcus aureus
>gi|79872|pir||S04360 lacB protein - Staphylococcus aureus (fragment)
>gi|628921|pir||S40422 hypothetical protein - Staphylococcus aureus
>gi|1084186|pir||S54707 dnaA protein - Staphylococcus aureus
>gi|628917|pir||S27240 enterotoxin B - Staphylococcus aureus (fragments)
>gi|79852|pir||A29566 enterotoxin A - Staphylococcus aureus
>gi|79850|pir||S02008 dihydrofolate reductase (EC 1.5.1.3) - Staphylococcus aureus (fragment)
>gi|79845|pir||S15766 beta-hemolysin - Staphylococcus aureus
>gi|97845|pir||C42295 recf protein - Staphylococcus aureus (fragment)
>gi|2078390|gb|AAB54024.1| SecA [Staphylococcus aureus]
>gi|2078382|gb|AAB54022.1| SecY [Staphylococcus aureus]
>gi|2078381|gb|AAB54021.1| ribosomal protein L15 [Staphylococcus aureus]
>gi|2078380|gb|AAB54020.1| ribosomal protein L30 [Staphylococcus aureus]
>gi|2078378|gb|AAB54019.1| RplK; ribosomal protein L11 [Staphylococcus aureus]
>gi|2078377|gb|AAB54018.1| NusG [Staphylococcus aureus]
>gi|2078376|gb|AAB54017.1| SecE [Staphylococcus aureus]
>gi|2058356|emb|CAB06539.1| dihydropteroate synthase [Staphylococcus aureus]
>gi|1943995|dbj|BAA19494.1| sigA=sigma70 [Staphylococcus aureus]
>gi|1943994|dbj|BAA19493.1| dnaG [Staphylococcus aureus]
>gi|1943993|dbj|BAA19492.1| orf30 [Staphylococcus aureus]
>gi|1943992|dbj|BAA19491.1| orf15 [Staphylococcus aureus]
>gi|1934992|emb|CAA68933.1| ORF6 [Staphylococcus aureus]
>gi|1934991|emb|CAA68932.1| sigma factor B [Staphylococcus aureus]
>gi|1934990|emb|CAA68931.1| rsbW [Staphylococcus aureus]
>gi|1934989|emb|CAA68930.1| rsbV [Staphylococcus aureus]
>gi|1934988|emb|CAA68929.1| rsbU [Staphylococcus aureus]
>gi|1934987|emb|CAA68928.1| ORF1 [Staphylococcus aureus]
>gi|1916317|gb|AAB51152.1| alkyl hydroperoxide reductase subunit F [Staphylococcus aureus]
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>gi|1916316|gb|AAB51151.1| alkyl hydroperoxide reductase subunit C [Staphylococcus aureus]
>gi|1913907|gb|AAB51063.1| TagD [Staphylococcus aureus]
>qi|1913906|qb|AAB51062.1| TagX [Staphylococcus aureus]
>gi|1913905|gb|AAB51061.1| TagB [Staphylococcus aureus]
>gi|1864022|gb|AAB50178.1| pencillin binding protein 4
>qi|881631|gb|AAB50179.1| AbcA
>gi|1657655|gb|AAB49445.1| Cap8P [Staphylococcus aureus]
>gi|1657654|gb|AAB49444.1| Cap80 [Staphylococcus aureus]
>gi|1657653|gb|AAB49443.1| Cap8N [Staphylococcus aureus]
>gi|1657652|gb|AAB49442.1| Cap8M [Staphylococcus aureus]
>gi|1657651|gb|AAB49441.1| Cap8L [Staphylococcus aureus]
>gi|1657650|gb|AAB49440.1| Cap8K [Staphylococcus aureus]
>gi|1657649|gb|AAB49439.1| Cap8J [Staphylococcus aureus]
>gi|1657648|gb|AAB49438.1| Cap8I [Staphylococcus aureus]
>gi|1657647|gb|AAB49437.1| Cap8H [Staphylococcus aureus]
>gi|1657646|gb|AAB49436.1| Cap8G (Staphylococcus aureus)
>gi|1657645|gb|AAB49435.1| Cap8F [Staphylococcus aureus]
>gi|1657644|gb|AAB49434.1| Cap8E [Staphylococcus aureus]
>gi|1657643|gb|AAB49433.1| Cap8D [Staphylococcus aureus]
>gi|1657642|gb|AAB49432.1| Cap8C [Staphylococcus aureus]
>gi|1657641|gb|AAB49431.1| Cap8B [Staphylococcus aureus]
>gi|1657640|gb|AAB49430.1| Cap8A [Staphylococcus aureus]
>gi|1854577|gb|AAB48183.1| lytR [Staphylococcus aureus]
>gi|862312|gb|AAB48182.1| lytS [Staphylococcus aureus]
>gi|1731452|gb|AAB48104.1| recombination protein [Staphylococcus aureus]
>gi|1053003|gb|AAB48103.1| CAT protein [Staphylococcus aureus]
>gi|1053002|gb|AAB48102.1| replication protein [Staphylococcus aureus]
>gi|1848269|gb|AAB47993.1| quaternary ammonium compounds resistance protein Qac [Staphylococcus
aureusl
>gi|1848268|gb|AAB47992.1| replication protein Rep [Staphylococcus aureus]
>gi|677847|emb|CAA24593.1| reading frame A [Staphylococcus aureus]
>gi|677846|emb|CAA24590.1| reading frame C [Staphylococcus aureus]
>gi|677845|emb|CAA24589.1| reading frame D [Staphylococcus aureus]
>gi|677844|emb|CAA24588.1| reading frame E [Staphylococcus aureus]
>gi|46746|emb|CAA38969.1| truncated alpha-toxin [Staphylococcus aureus]
>gi|46559|emb|CAA24592.1| reading frame F transl. attenuator [Staphylococcus aureus]
>gi|46558|emb|CAA24591.1| reading frame B mls resistance [Staphylococcus aureus]
>gi|987499|gb|AAB41908.1| 5-dehdroquinate synthase
>gi|987498|gb|AAB41907.1| chorismate synthase
>gi|987497|gb|AAB41906.1| nucleoside diphosphate kinase
>gi|987496|gb|AAB41905.1| geranylgeranyl pyrophosphate synthetase homolog; Method: conceptual
translation supplied by author
>gi|1262138|emb|CAA62900.1| glycerol 3-phosphate cytidyltransferase [Staphylococcus aureus]
>gi|1262137|emb|CAA62899.1| penicillin-binding protein 4 [Staphylococcus aureus]
>gi|1262136|emb|CAA62898.1| ATP-binding cassette transporter A [Staphylococcus aureus]
>gi|1045529|gb|AAB39957.1| beta-lactamase
>gi|1045527|gb|AAB39956.1| beta-lactamase
>gi|1045525|gb|AAB39955.1| tetracycline resistance protein [Staphylococcus aureus]
>gi|1045524|gb|AAB39954.1| replication protein [Staphylococcus aureus]
>gi|1684749|emb|CAA70762.1| femD [Staphylococcus aureus]
>gi|1204146|emb|CAA65106.1| fibronectin-binding protein [Staphylococcus aureus]
>gi|1684751|emb|CAA70579.1| DNA directed RNA polymerase beta' chain [Staphylococcus aureus]
>gi|1478385|gb|AAB36169.1| MsrSa=63 kda MsrA homolog (N-terminal) (Staphylococcus aureus, clinical
isolate, pEP2104, Peptide Plasmid Partial, 31 aa]
>gi|1042046|gb|AAB34958.1| IgG-binding polypeptide=protein A homolog [Staphylococcus aureus, strain
8325-4, Peptide Partial, 84 aa]
>gi|999313|gb|AAB34910.1| 60 kda vitronectin-binding surface protein {N-terminal} {Staphylococcus
aureus, prototype V8, Peptide Partial, 20 aa]
>gi|998765|gb|AAB34258.1| enterotoxin H (N-terminal) [Staphylococcus aureus, FRI-569, Peptide
Partial, 30 aal
>gi|894289|gb|AAB33482.1| alkaline shock protein 23, ASP23 [Staphylococcus aureus, 912, Peptide, 169
aa]
>gi|619317|gb|AAB32218.1| beta-hemolysin, phospholipase C, PLC [Staphylococcus aureus, 126/89,
Peptide, 331 aa]
>gi|693735|gb|AAB31949.1| NorA {ISP794, quinolone resistance} {Staphylococcus aureus, NCTC 8325,
Peptide Insertion, 388 aa]
>gi|456770|gb|AAB28795.1| Tet(K)=tetracycline efflux protein (Staphylococcus aureus, pT181, Peptide
Plasmid, 459 aa]
>gi|433036|gb|AAB28599.1| adhesin {collagen binding domain} (Staphylococcus aureus, FDA 574, Peptide
Partial, 37 aal
>gi|1680566|gb|AH004229.1| No definition line found
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>gi|1680565|gb|AH004228.1| No definition line found
>gi|299115|gb|AAB26122.1| gamma-hemolysin component II, H gamma II=leukocidin S homolog
[Staphylococcus aureus, 4, RIMD 310925, Peptide Partial, 5 aa, segment 2 of 2]
>gi|299114|gb|AAB26121.1| gamma-hemolysin component II, H gamma II=leukocidin S homolog
[Staphylococcus aureus, 4, RIMD 310925, Peptide Partial, 58 aa, segment 1 of 2]
>gi|299112|gb|AAB26120.1| gamma-hemolysin component I, H gamma I=leukocidin F homolog [Staphylococcus aureus, 4, RIMD 310925, Peptide Partial, 2 aa, segment 2 of 2]
>gi|299111|gb|AAB26119.1| gamma-hemolysin component I, H gamma I=leukocidin F homolog
[Staphylococcus aureus, 4, RIMD 310925, Peptide Partial, 59 aa, segment 1 of 2] >gi|265412|gb|AAB25337.1| V8 protease [Staphylococcus aureus, Peptide, 276 aa]
>gi|248665|gb|AAB22051.1| chloramphenicol acetyltransferase, CAT {EC 2.3.1.28} [Staphylococcus
aureus, 4.6 kb chloramphenicol resistance (CmR) plasmid pSCS6, Peptide Plasmid, 215 aa]
>gi|246440|gb|AAB21603.1| 60 kda cell surface adhesin for heparan sulfate [Staphylococcus aureus,
Peptide Partial, 4 aa]
>gi|246439|gb|AAB21602.1| 66 kda cell surface adhesin for heparan sulfate (Staphylococcus aureus,
Peptide Partial, 9 aa]
>gi|239960|gb|AAB20545.1| 25-kda elastin-binding protein [Staphylococcus aureus, Peptide Partial, 14
aa]
>gi|239959|gb|AAB20544.1| 40-kda elastin-binding protein [Staphylococcus aureus, Peptide Partial, 18
aal
>gi|1673527|gb|AAB18959.1| transposase [Staphylococcus aureus]
>gi|1673525|gb|AAB18958.1| transposase [Staphylococcus aureus]
>gi|1644433|gb|AAB17663.1| D-specific D-2-hydroxyacid dehydrogenase [Staphylococcus aureus]
>gi|581567|emb|CAA37260.1| Sau96I DNA methyltransferase [Staphylococcus aureus]
>gi|46618|emb|CAA37259.1| Sau96I restriction endonuclease [Staphylococcus aureus]
>gi|46597|emb|CAA37902.1| transposase [Staphylococcus aureus]
>gi|1587088|prf||2205353A pheromone [Staphylococcus aureus]
>gi|1583755|prf||2121375A MHC class II-like protein [Staphylococcus aureus]
>gi|229342|prf||710414A nuclease [Staphylococcus aureus]
>gi|229233|prf||670719A nuclease [Staphylococcus aureus]
>gi|1096955|prf||2113202C RNA polymerase:SUBUNIT=beta' (Staphylococcus aureus)
>gi|1096954|prf||2113202B RNA polymerase:SUBUNIT=beta [Staphylococcus aureus]
>gi|1096953|prf||2113202A ORF 202 [Staphylococcus aureus]
>gi|1095875|prf||2110238A lipase [Staphylococcus aureus]
>gi|1094971|prf||2107219C RNA polymerase:SUBUNIT=beta' [Staphylococcus aureus]
>gi|1094970|prf||2107219B RNA polymerase:SUBUNIT=beta [Staphylococcus aureus]
>gi|1094969|prf||2107219A rpoB upstream ORF [Staphylococcus aureus]
>gi|1093504|prf||2104216A LukM protein [Staphylococcus aureus]
>gi|1092377|prf||2023311A exotoxin [Staphylococcus aureus]
>gi|742313|prf||2009360B pcrB protein [Staphylococcus aureus]
>gi|742312|prf||2009360A helicase [Staphylococcus aureus]
>gi|448909|prf||1918210C leukocidin [Staphylococcus aureus]
>gi|448908|prf||1918210B leukocidin [Staphylococcus aureus]
>gi|448907|prf||1918210A gamma hemolysin [Staphylococcus aureus]
>gi|444424|prf||1907159A ethidium bromide resistance gene [Staphylococcus aureus]
>gi|384172|prf||1905282A rep protein [Staphylococcus aureus]
>gi|384170|prf||1905280A protein A [Staphylococcus aureus]
>gi|383540|prf||1903261A toxic shock syndrome toxin [Staphylococcus aureus]
>gi|228896|prf||1814271A Glu-C endoprotease [Staphylococcus aureus]
>gi|228567|prf||1806229B repressor [Staphylococcus aureus]
>gi|228566|prf||1806229A coinducer protein [Staphylococcus aureus]
>gi|228100|prf||1717222A REP protein (Staphylococcus aureus)
>gi|227968|prf||1714238A beta lactamase mutant S-3P [Staphylococcus aureus]
>gi|227467|prf||1704203A enterotoxin A [Staphylococcus aureus]
>gi|226860|prf||1609133A plasmid pOX1000 ORF A [Staphylococcus aureus]
>gi|581544|emb|CAA27142.1| kanamycin nucleotidyltransferase (AA 1-253) [Staphylococcus aureus]
>gi|46496|emb|CAA27141.1| repB polypeptide (AA 1-235) [Staphylococcus aureus]
>gi|1245474|gb|AAB09712.1| nicking enzyme [Staphylococcus aureus]
>gi|1586531|prf||2204232B penicillin-binding protein 4 (Staphylococcus aureus)
>gi|1586530|prf||2204232A ABC transporter-like protein [Staphylococcus aureus]
>gi|1585878|prf||2202209C ORF 3 [Staphylococcus aureus]
>gi|1585877|prf||2202209B ORF 2 [Staphylococcus aureus]
>gi|1585876|prf||2202209A ORF 1 [Staphylococcus aureus]
>gi|1053140|gb|AAB09660.1| tetracycline resistance protein [Staphylococcus aureus]
>gi|1575125|gb|AAB09464.1| beta-lactamase
>gi|226340|prf||1507213A transposase, insertion seq IS257 [Staphylococcus aureus]
>gi|225999|prf||1405331D repE gene [Staphylococcus aureus]
>gi|225998|prf||1405331C ORF D [Staphylococcus aureus]
>gi|225997!prf||1405331B rlx gene [Staphylococcus aureus]
>gi|359739|prf||1313299A staphylocoagulase [Staphylococcus aureus]
>gi|225442|prf||1303274B gene B [Staphylococcus aureus]
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>gi|224810|prf||1202257F ORF [Staphylococcus aureus]
>gi|224809|prf||1202257E gene tnpC [Staphylococcus aureus]
>gi|224808|prf||1202257D gene tnpB [Staphylococcus aureus]
>gi|224806|prf||1202257B gene spc [Staphylococcus aureus]
>gi|224805|prf||1202257A gene ermA [Staphylococcus aureus]
>gi|1567208|emb|CAA02065.1| Ble [Staphylococcus aureus]
>gi|860732|gb|AAB07805.1| phosphoenolpyruvate carboxykinase [Staphylococcus aureus]
>gi|1272327|gb|AAB07765.1| 3'5'-aminoglycoside phosphotransferase [Staphylococcus aureus]
>gi|1272326|gb|AAB07764.1| truncated streptothricin acetyl transferase {Staphylococcus aureus}
>gi|1236640|gb|AAB07747.1| multidrug resistance protein [Staphylococcus aureus]
>gi|1236639|gb|AAB07746.1| partial duplication of the qacC gene [Staphylococcus aureus]
>gi|1236638|gb|AAB07745.1| replication protein [Staphylococcus aureus]
>gi|1053000|gb|AAB07714.1| replication protein [Staphylococcus aureus]
>gi|1052999|gb|AAB07713.1| recombination protein [Staphylococcus aureus]
>gi|1052998|gb|AAB07712.1| tetracycline resistance protein [Staphylococcus aureus]
>gi|1125687|emb|CAA60583.1! glycerol-3-phosphate cytidyltransferase [Staphylococcus aureus]
>gi|1125686|emb|CAA60582.1| penicillin binding protein 4 [Staphylococcus aureus]
>gi|1125685|emb|CAA60581.1| mdr [Staphylococcus aureus]
>gi|1125683|emb|CAA60586.1| glycerol-3-phosphate cytidyltransferase [Staphylococcus aureus]
>gi|1125682|emb|CAA60585.1| penicillin binding protein 4 [Staphylococcus aureus]
>gi|1125681|emb|CAA60584.1| mdr [Staphylococcus aureus]
>gi|1495791|emb|CAA61517.1| DNA-directed RNA polymerase [Staphylococcus aureus]
>gi|758691|gb|AAB06195.1| enterotoxin D
>gi|1480567|gb|AAB05743.1| protein A
>gi|1477533|gb|AAB05396.1| sarA
>gi|1477532|gb|AAB05395.1| ORF3
>qi|225996|prf||1405331A str gene (Staphylococcus aureus)
>gi|225995|prf||1405330A repM gene [Staphylococcus aureus]
>gi|225821|prf||1314205A protein A [Staphylococcus aureus]
>gi|225444|prf||1303274D gene D [Staphylococcus aureus]
>gi|225443|prf||1303274C gene C [Staphylococcus aureus]
>gi|225441|prf||1303274A gene A [Staphylococcus aureus]
>gi|224812|prf||1202257H peptide 2 [Staphylococcus aureus]
>gi|224811|prf||1202257G peptide 1 [Staphylococcus aureus]
>gi|224807|prf||1202257C gene tnpA [Staphylococcus aureus]
>qi|224650|prf||1109959A nuclease, staphylococcal [Staphylococcus aureus]
>gi|223937|prf||1005204A hemolysin delta [Staphylococcus aureus]
>gi|1408063|gb|AAB03636.1| methicillin-resistance protein
>gi|295162|gb|AAB03637.1| unknown ORF1; putative
>gi|1407784|gb|AAB03613.1| orf-1; novel antigen
>gi|642270|emb|CAA88043.1| DNA polymerase III [Staphylococcus aureus]
>gi|1311537|gb|AAB02113.1| cop protein
>gi|153094|gb|AAB02114.1| resistance protein
>gi|153092|gb|AAB02112.1| replication protein
>gi|673492|emb|CAA24594.1| nuclease [Staphylococcus aureus]
>gi|1340131|emb|CAA66627.1| ORF4 [Staphylococcus aureus]
>gi|1340130|emb|CAA66626.1| ORF3 [Staphylococcus aureus]
>gi|1340129|emb|CAA66625.1| ORF2 [Staphylococcus aureus]
>gi|1340128|emb|CAA66624.1| ORF1 [Staphylococcus aureus]
>gi|758303|emb|CAA24957.1| staphylokinase [Staphylococcus aureus]
>gi|736295|emb|CAA27035.1| A protein {Staphylococcus aureus}
>gi|581591|emb|CAA34491.1| beta-lactamase (AA 1-281) [Staphylococcus aureus]
>gi|581590|emb|CAA36953.1| blaz protein (AA 1-281) [Staphylococcus aureus]
>gi|581589|emb|CAA36950.1{ binL protein (AA 1-197) [Staphylococcus aureus]
>gi|46765|emb|CAA25801.1| put. alpha-toxin precursor (aa -26 to 293) [Staphylococcus aureus]
>gi|46759|emb|CAA36952.1| blaR1 protein (AA 1-585) [Staphylococcus aureus]
>gi|46758|emb|CAA36951.1| blaI protein (AA 1-126) [Staphylococcus aureus]
>gi|46756|emb|CAA36949.1| ORF480 (pot. transposase) (AA 1-480) [Staphylococcus aureus]
>qi|46755|emb|CAA36948.1| ORF271 (pot. ATP-binding protein) (AA 1-271) [Staphylococcus aureus]
>gi|46753|emb|CAA31652.1| transposase (AA 1-224) [Staphylococcus aureus]
>gi|46752|emb|CAA31651.1| transposase (AA 1-224) [Staphylococcus aureus]
>gi|46751|emb|CAA31650.1| ORF140 (AA 1-140) [Staphylococcus aureus]
>gi|46750|emb|CAA31649.1| S1 DHFR (AA 1-161) [Staphylococcus aureus]
>gi|46749|emb|CAA31648.1| thymidylate synthetase (AA 1-318) [Staphylococcus aureus]
>gi|46748|emb|CAA31647.1| transposase (AA 1-224) [Staphylococcus aureus]
>gi|758275|emb|CAA29822.1| sak42D staphylokinase [Staphylococcus aureus]
>gi|581583|emb|CAA24596.1| protein A [Staphylococcus aureus]
>gi|459257|emb|CAA83066.1| Potential membrane spanning protein [Staphylococcus aureus]
>gi|459256|emb|CAA83065.1| Potential ABC transporter [Staphylococcus aureus]
>gi|46737|emb|CAA34476.1| precursor polypeptide (AA -26 to 632) [Staphylococcus aureus]
>gi|46691|emb|CAA43604.1| protein A [Staphylococcus aureus]
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>gi|46687|emb|CAA68434.1| preproenzyme (AA -68 to 268) [Staphylococcus aureus]
>gi|1070386|emb|CAA63689.1| phosphoenolpyruvate-protein phosphatase [Staphylococcus aureus]
>gi|1070385|emb|CAA63688.1| histidin-containing protein [Staphylococcus aureus]
>gi|677852|emb|CAA45513.1| DNA-directed RNA polymerase beta' chain [Staphylococcus aureus]
>gi|677851|emb|CAA45512.1| DNA-directed RNA polymerase beta chain [Staphylococcus aureus]
>gi|677850|emb|CAA45511.1| hypothetical protein [Staphylococcus aureus]
>gi|677849|emb|CAA45510.1| ribosomal protein L7/L12 [Staphylococcus aureus]
>gi|581571|emb|CAA43217.1| chlorAMPhenicol acetyltransferase [Staphylococcus aureus]
>gi|551670|emb|CAA51251.1| lukS [Staphylococcus aureus]
>gi|551669|emb|CAA51250.1| ORF [Staphylococcus aureus]
>gi|288292|emb|CAA51252.1| leucocidin F [Staphylococcus aureus]
>gi|46652|emb|CAA43218.1| chlorAMPhenicol acetyltransferase [Staphylococcus aureus]
>gi|1333818|emb|CAA26369.1| pot. orfB (aa 1-92) (4557 is 2nd base in codon) [Staphylococcus aureus]
>gi|1333817|emb|CAA26368.1| pot. orfA [Staphylococcus aureus]
>gi|809754|emb|CAA26365.1| unidentified reading frame [Staphylococcus aureus]
>gi|581570|emb|CAA41339.1| dihydrolipoamide acetyltransferase: subunit E2 [Staphylococcus aureus]
>gi|581568|emb|CAA27733.1| beta-lactamase (aa 1-281) [Staphylococcus aureus]
>gi|488529|emb|CAA45728.1| S component of leucocodin R [Staphylococcus aureus]
>gi|483534|emb|CAA44177.1| penicillin-binding protein 2 [Staphylococcus aureus]
>gi|295834|emb|CAA39320.1| ORF 154 [Staphylococcus aureus]
>gi|48874|emb|CAA41340.1| dihydrolipoamide dehydrogenase: subunit E3 [Staphylococcus aureus]
>gi|48872|emb|CAA41338.1| pyruvate dehydrogenase (lipoamide): subunit Elbeta (Staphylococcus
aureusl
>gi|46647|emb|CAA29842.1| ORF (repE) [Staphylococcus aureus]
>gi|46646|emb|CAA29841.1! orfD [Staphylococcus aureus]
>gi|46645|emb|CAA29840.1| ORF (rlx) [Staphylococcus aureus]
>gi|46644|emb|CAA29839.1| ORF (str) [Staphylococcus aureus]
>gi|46639|emb|CAA31314.1| ORF 1 (AA 1 - 330) [Staphylococcus aureus]
gi|46638|emb|CAA31313.1| ORF 2 (AA 1 - 236) [Staphylococcus aureus]
>gi|46636|emb|CAA30291.1| RepM protein (AA 1 - 314) [Staphylococcus aureus]
>gi|46632|emb|CAA26367.1| CAT gene (aa 1-215) [Staphylococcus aureus]
>gi|46631|emb|CAA26366.1| repD (aa 1-311) [Staphylococcus aureus]
>gi|46629|emb|CAA68684.1| penicillin-binding protein (AA 1-670) [Staphylococcus aureus]
>gi|46622|emb|CAA42079.1| E.coli isoleucyl tRNA synthetase homologue [Staphylococcus aureus] >gi|46620|emb|CAA42080.1| E.coli isoleucyl tRNA synthetase homologue [Staphylococcus aureus]
>gi|46611|emb|CAA36829.1| PBP2' (AA 1-668) [Staphylococcus aureus]
>gi|46609|emb|CAA45729.1| F component of leucocodin R [Staphylococcus aureus]
>gi|1134886|emb|CAA54030.1| glutamine synthetase [Staphylococcus aureus]
>gi|581562|emb|CAA44726.1| fibronectin binding protein B [Staphylococcus aureus]
>gi|550424|emb|CAA57278.1| hlgB-like ORF [Staphylococcus aureus]
>gi|550423|emb|CAA57277.1| hlgC-like ORF [Staphylococcus aureus]
>gi|550422|emb|CAA57276.1| hlgA-like ORF [Staphylococcus aureus]
>gi|468509|emb|CAA54029.1| glutamine synthetase repressor [Staphylococcus aureus]
>gi[468508|emb|CAA54028.1| ORF1 [Staphylococcus aureus]
>gi|311976|emb|CAA50893.1| fibrinogen-binding protein [Staphylococcus aureus]
>gi|311974|emb|CAA50892.1| fibrinogen-binding protein [Staphylococcus aureus]
>gi|296396|emb|CAA50571.1| DNA gyrase [Staphylococcus aureus]
>gi|296395|emb|CAA50570.1| DNA gyrase [Staphylococcus aureus]
>gi|296394|emb|CAA50569.1| RecF [Staphylococcus aureus]
>gi|48713|emb|CAA36830.1| orf145 [Staphylococcus aureus]
>gi|46606|emb|CAA32936.1| lacD polypeptide (AA 1-326) [Staphylococcus aureus]
>gi|46605|emb|CAA32935.1| lacC polypeptide (AA 1-310) [Staphylococcus aureus]
>gi|46589|emb|CAA31770.1| ORF 2 (68 AA) (2187 is 2nd base in codon) [Staphylococcus aureus]
>gi|46588|emb|CAA31769.1| beta-hemolysin (AA 1 - 330) [Staphylococcus aureus]
>gi|46587|emb|CAA31768.1| ORF 1 (AA 1 - 121) (1 is 2nd base in codon) [Staphylococcus aureus]
>gi|46582|emb|CAA35680.1| ORF 419 protein [Staphylococcus aureus]
>gi|46581|emb|CAA35679.1| FemA protein [Staphylococcus aureus]
>gi|46580[emb|CAA35678.1] trpA protein (AA at 1) [Staphylococcus aureus]
>gi|46576|emb|CAA26883.1| Methylase (AA 1-11) (172 is 2nd base in codon) [Staphylococcus aureus]
>gi|809753|emb|CAA26103.1| pot. reading frame C (aa 51-230) (1 is 3rd base in codon) [Staphylococcus
>gi|736294|emb|CAA68826.1| transposase [Staphylococcus aureus]
>gi|671632|emb|CAA78911.1| unknown [Staphylococcus aureus]
>gi|581558|emb|CAA53189.1| isoleucyl tRNA synthetase [Staphylococcus aureus]
>gi|438228|emb|CAA53191.1| ORF C [Staphylococcus aureus]
>gi|438227|emb|CAA53190.1| ORF B [Staphylococcus aureus]
>gi|49313|emb|CAA78910.1| dihydrofolate reductase [Staphylococcus aureus]
>gi|49018|emb|CAA44472.1| ethidium bromide resistance protein [Staphylococcus aureus]
>gi|49017|emb|CAA44471.1| ethidium bromide resistance protein [Staphylococcus aureus]
>gi|46573|emb|CAA38227.1| ermC [Staphylococcus aureus]
>gi|46571|emb|CAA35972.1| staphylococcal enterotoxin C3 [Staphylococcus aureus]
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>gi|46567|emb|CAA29260.1| enterotoxin C1 precursor (AA -27 to 239) [Staphylococcus aureus]
>gi|46561|emb|CAA33598.1| ethidium bromide resistance protein (AA 1-107) [Staphylococcus aureus]
>gi|46554|emb|CAA68825.1| ORF 140 [Staphylococcus aureus]
>gi|46553|emb|CAA68824.1| dihydrofolate reductase type S1 [Staphylococcus aureus]
>gi|46552|emb|CAA68823.1| thymidylate synthase [Staphylococcus aureus]
>gi|46550|emb|CAA26107.1| pot. reading-frame C (aa 1-90) (4555 is 2nd base in codon) [Staphylococcus
aureusl
>gi|46549|emb|CAA26106.1| pot. reading-frame A (aa 1-315) [Staphylococcus aureus]
>gi|46548|emb|CAA26105.1| reading frame D (aa 1-215) chloramphenicol resistance (CAT)
[Staphylococcus aureus].
>gi|46547|emb|CAA26104.1| pot. reading-frame B (aa 1-311) pot. replication protein [Staphylococcus
aureusl
>gi|4379429|emb|CAA24584.1| reading frame C (replication) [Staphylococcus aureus]
>gi|1333816|emb|CAA24587.1| reading frame D [Staphylococcus aureus]
>gi|1333815|emb|CAA24585.1| reading frame A [Staphylococcus aureus]
>gi|1333813|emb|CAA34365.1| binR product (no atg) [Staphylococcus aureus]
>gi|806585|emb|CAA89212.1| superoxide dismutase [Staphylococcus aureus]
>gi|581555|emb|CAA26630.1| unidentified reading frame put. function in cat regulation
[Staphylococcus aureus]
>gi{398182|emb|CAA34366.1| bin3 product [Staphylococcus aureus]
>gi|397526|emb|CAA79304.1| clumping factor [Staphylococcus aureus]
>gi|46540|emb|CAA35664.1| coagulase precursor [Staphylococcus aureus]
>gi|46537|emb|CAA26631.1| chloramphenicol acetyltransferase {Staphylococcus aureus}
>gi|46534|emb|CAA24586.1| CAT (chloramphenicol resistance) [Staphylococcus aureus]
>qi|809610|emb|CAA01358.1| sau3AI M [Staphylococcus aureus]
>gi|580669|emb|CAA01357.1| sau3AI R [Staphylococcus aureus]
>gi|512508|emb|CAA01068.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512504|emb|CAA01067.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512502|emb|CAA01066.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512500|emb|CAA01065.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512498|emb|CAA01064.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512496|emb|CAA01063.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512493|emb|CAA01062.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512491|emb|CAA01061.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512489|emb|CAA01060.1| fibronectin binding protein [Staphylococcus aureus]
>gi|512487|emb|CAA01059.1| fibronectin binding protein [Staphylococcus aureus]
>gi|412259|emb|CAA00843.1| Arp 4 [Staphylococcus aureus]
>gi[412214|emb|CAA00364.1| structural A protein [Staphylococcus aureus]
>gi[412211|emb|CAA00363.1| structural A protein [Staphylococcus aureus]
>gi|765073|gb|AAA99982.1| autolysin
>gi|765072|gb|AAA99981.1| ORF3
>gi|765071|gb|AAA99980.1| ORF2
>gi|765070|gb|AAA99979.1| ORF1
>gi|790573|gb|AAA99709.1| pyrrolidone carboxyl peptidase
>gi|46602|emb|CAA37814.1| putative transposase (AA 1 - 224) [Staphylococcus aureus]
>gi|153077|gb|AAA98349.1| vgh gene product
>gi|581278|emb|CAA26967.1| ORF [Staphylococcus aureus]
>gi|581277|emb|CAA26960.1| tnpA protein [Staphylococcus aureus]
>gi|43733|emb|CAA26966.1| peptide 1 [Staphylococcus aureus]
>gi|43732|emb|CAA26965.1| peptide L (Staphylococcus aureus)
>gi|43731|emb|CAA26964.1| S-adenosyl-methionine dependent methylase [Staphylococcus aureus]
>gi|43730|emb|CAA26963.1| adenyltransferase AAD9 (spc) [Staphylococcus aureus]
>gi|43729|emb|CAA26962.1| pot. tnpC protein [Staphylococcus aureus]
>gi|43728|emb|CAA26961.1| pot. tnpB protein [Staphylococcus aureus]
>gi|1255262|gb|AAA96060.1| phosphoenolpyruvate carboxykinase
>gi|1255260|gb|AAA96059.1| o-succinylbenzoic acid (OSB) synthetase
>gi|1255259|gb|AAA96058.1| o-succinylbenzoic acid (OSB) CoA ligase
>gi|46698|emb|CAA26428.1| put. AAD(9) determinant (aa 1-260) [Staphylococcus aureus]
>gi|46697|emb|CAA26427.1| 3' end of tnpC [Staphylococcus aureus].
>gi|46591|emb|CAA43885.1| Sphingomyelinase [Staphylococcus aureus]
>gi|1196899|gb|AAA88547.1| unknown protein
>gi|153000|gb|AAA88550.1| enterotoxin B
>gi|152949|gb|AAA88549.1| transposase
>gi|152948|gb|AAA88548.1| aminoglycoside resistance protein
>gi|152947|gb|AAA88546.1| transposase
>gi|1181627|gb|AAA86871.1| VAT B
>gi|1016770|gb|AAA86131.1| prolipoprotein diacylglyceryl transferase
>gi|705406|gb|AAA82984.1| hyaluronate lyase
>gi|1020317|gb|AAA79506.1| S-adenosylmethionine synthetase
>gi[458420|gb|AAA79365.1| proline permease homolog
>gi|1015409|gb|AAA79055.1| Pre protein
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>gi|1015408|gb|AAA79054.1| chloramphenicol acetyltransferase
>gi|1015407|gb|AAA79053.1| cat leader peptide
>gi|1015406|gb|AAA79052.1| replication initiation protein
>gi|915308|gb|AAA74889.1| fibrinogen binding protein
>gi|409241|gb|AAA74375.1| penicillin-binding protein 2
>gi|153086|gb|AAA73952.1| DNA gyrase A subunit
>gi|153085|gb|AAA73951.1| DNA gyrase B subunit
>gi|153084|gb|AAA73950.1| homologue; putative
>gi|153062|gb|AAA72091.1| helicase
>gi|153061|gb|AAA72090.1| [pcrA] gene products
>gi|152957|gb|AAA71898.1| 5-enolpyruvylshikimate-3-phosphate synthase
>gi|152956|gb|AAA71897.1| 3-phosphoshikimate-1-carboxyvinyltransferase
>gi|152955|gb|AAA71896.1| 3-dehydroquinate synthase
>gi|845687|gb|AAA67855.1| lacA repressor, putative
>gi|845686|gb|AAA67853.1| ORF-27
>gi|153035|gb|AAA67854.1| lacR repressor
>gi|567036|gb|AAA64644.1| CapE
>gi|506709|gb|AAA64652.1| CapM
>gi|506708|gb|AAA64651.1| CapL
>gi|506707|gb|AAA64650.1| CapK
>gi|506706|gb|AAA64649.1| CapJ
>gi|506705|gb|AAA64648.1| CapI
>gi|506704|gb|AAA64647.1| CapH
>gi|506703|gb|AAA64646.1| CapG
>gi|506702|gb|AAA64645.1| CapF
>gi|506700|gb|AAA64643.1| CapD
>gi|506699|gb|AAA64642.1| CapC
>gi|506698|gb|AAA64641.1| CapB
>gi|506697|gb|AAA64640.1| CapA
>gi|684950|gb|AAA62477.1| staphylococcal accessory regulator A
>gi|567884|gb|AAA53114.1| lysyl-tRNA synthetase
>gi|561880|gb|AAA53116.1| gyrase-like protein alpha subunit
>gi|561879|gb|AAA53115.1| gyrase-like protein beta subunit
>gi|463285|gb|AAA50463.1| putative
>gi|551992|gb|AAA26680.1| 25 kD protein (putative); putative
>gi|551991|gb|AAA26674.1| enterotoxin B
>gi|495089|gb|AAA26675.1| recombinase
>gi|398085|gb|AAA26683.1| acetyltransferase
>gi|153125|gb|AAA26684.1| ATP-binding protein
>gi|153123|gb|AAA26682.1| toxic shock syndrome toxin-1 precursor
>gi|153121|gb|AAA26681.1| staphylococcal enterotoxin A precursor
>gi|153115|gb|AAA26678.1| tetM
>gi|153106|gb|AAA26677.1| protein A (ttg start codon)
>gi|153104|gb|AAA26676.1| protein A (ttg start codon)
>gi|153100|gb|AAA26673.1| Sau3AIM protein
>gi|153099|gb|AAA26672.1| Sau3AIR protein (ttg start codon)
>gi|153097|gb|AAA26671.1| bleomycin_resistance protein
>gi|153096|gb|AAA26670.1| neomycin resistance protein
>gi|153090|gb|AAA26669.1| REP N protein (rep N)
>gi|153088|gb|AAA26668.1| ethidium resistance protein (ebr)
>gi|153082|gb|AAA26667.1| recombination and repair protein
>gi|153080|gb|AAA26666.1| resistance protein
>gi|153079|gb|AAA26665.1| transposase
>gi|153067|gb|AAA26662.1| peptidoglycan hydrolase
>gi|153057|gb|AAA26659.1| nuclease precursor
>gi|153055|gb|AAA26658.1| norA
>gi|537341|gb|AAA26647.1| beta-lactamase
>gi|537340|gb|AAA26646.1| beta-lactamase
>gi|537339|gb|AAA26645.1| beta-lactamase
>gi|537338|gb|AAA26644.1| beta-lactamase
>gi|537337|gb|AAA26643.1| beta-lactamase
>gi|537336|gb|AAA26642.1| beta-lactamase
>gi|475839|gb|AAA26654.1| leucocidin S component
>gi|393266|gb|AAA26634.1| glycerol ester hydrolase
>gi|295156|gb|AAA26639.1| gamma-hemolysin component B
>gi|295155|gb|AAA26638.1| gamma-hemolysin component C
>gi|295154|gb|AAA26637.1| gamma-hemolysin component A
>gi|295152|gb|AAA26632.1| fibronectin-binding protein precursor
>gi|153045|gb|AAA26653.1| prolipoprotein signal peptidase
>gi|153041|gb|AAA26651.1| lincosaminide nucleotidyltransferase
>gi|153039|gb|AAA26650.1| phospho-beta-galactosidase (lacG)
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>gi|153038|gb|AAA26649.1| enzyme II-lac (lacE)
>gi|153037|gb|AAA26648.1| enzyme III-lac (lacF)
>gi|153033|gb|AAA26641.1| tagatose 6-phosphate isomerase
>gi|153027|gb|AAA26640.1| DNA invertase (ttg start codon)
>gi|153025|gb|AAA26636.1| gyrase A
>gi|153024|gb|AAA26635.1| gyrase B
>gi|153020|gb|AAA26633.1| lipase precursor (geh; EC 3.1.1.3)
>gi|295151|gb|AAA26623.1| enterotoxin
>gi|295149|gb|AAA26622.1| enterotoxin
>gi|295147|gb|AAA26621.1| enterotoxin
>gi|295145|gb|AAA26620.1| enterotoxin
>gi|295143|gb|AAA26619.1| enterotoxin
>gi|295141|gb|AAA26618.1| enterotoxin
>gi|153012|gb|AAA26628.1| ETB precursor
>gi|153008|gb|AAA26626.1| epidermolytic toxin A precursor
>gi|153006|gb|AAA26625.1| ETA precursor
>gi|153004|gb|AAA26624.1| enterotoxin C3
>gi|153002|gb|AAA26617.1| enterotoxin type E precursor
>gi|152998|gb|AAA26616.1| epidermal cell differentiation inhibitor
>gi|152982|gb|AAA26613.1| chloramphenicol acetyltransferase
>gi|152981|gb|AAA26612.1| precursor protein
>gi|152979|gb|AAA26611.1| putative
>gi|152978|gb|AAA26610.1| E1-E2 cadmium efflux adenosine triphosphatase
>qi|152977|gb|AAA26609.1| cadmium resistance protein
>gi|152976|gb|AAA26608.1| 125 codon reading frame that is similar to Tn554-encoded TnpC; RBS
retained, but no evidence as to whether transcribed or expressed; putative
>gi|152975|gb|AAA26607.1| 630 codon reading frame resembling tnpB of Tn554; transcription or
translation signals upstream of the reading frame removed by the deletion noted above; presumed to
be vestigial and not expressed; putative
>gi|152974|gb|AAA26606.1| 29 codon reading frame of which N-terminal 25 are similar to the
corresponding region of Tn554-encoded TnpA; TnpA is truncated by a 1006 bp deletion and is presumed
inactive; putative
>gi|152970|gb|AAA26605.1| beta-lactamase repressor
>gi|152953|gb|AAA26598.1| alpha-hemolysin
>gi|152951|gb|AAA26597.1| accessory gene regulator protein
>gi|152945|gb|AAA26596.1| aminocyclitol-3'-phosphotransferase
>gi|532967|gb|AAA21184.1| ORF
>qi|295159|qb|AAA21183.1| putative
>gi|295158|gb|AAA21182.1| mecR
>gi|387880|gb|AAA20874.1| collagen adhesin
>gi|310604|gb|AAA18516.1| ORF3
>gi|310603|gb|AAA18515.1| ORF2
>gi|310602|gb|AAA18514.1| ORF1
>gi|409063|gb|AAA17490.1| exfoliative toxin A
>gi|152985|gb|AAA16529.1| chloramphenicol acetyltransferase
>gi|152984|gb|AAA16528.1| precursor protein
>gi|458428|gb|AAA16512.1| FtsZ
>gi|425478|gb|AAA16442.1| phosphatidylinositol-specific phospholipase C
>gi|153053|gb|AAA16158.1| norA1199 protein
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TABLE 7: MAP AND SEQUENCE POSITION OF THE 73 ORFs PREDICTED TO BE ENCODED BY PHAGE 44AHJD THAT ARE GREATER THAN 33 AMINO ACIDS

Phage 44AHJD ORFs list

nb	Name	Frame	Position	Size (a.a.)	Key words
1	44AHJDORF001	-1	1034212627	761	DNA polymerase;
2	44AHJDORF002	3	37895732	647	Techoic acid; Staph;
3	44AHJDORF003	2	66268389	587	Tail;
4	44AHJDORF004	1	876410227	487	Serine protease motif;
5	44AHJDORF005	-1	1264313890	415	
6	44AHJDORF006	2	8032029	408	
7	44AHJDORF007	1	20443027	327	Upper collar;
8	44AHJDORF008	2	30203775	251	Lower collar;
9	44AHJDORF009	2	57446496	250	Amidase; Staph;
10	44AHJDORF010	-2	1393814420	160 -	
11	44AHJDORF012	3	83918813	140	Holin;
12	44AHJDORF013	-2	1458614996	136	·
13	44AHJDORF113	1	199600	133	
14	44AHJDORF011	-2	1522515593	122	·
15	44AHJDORF114	-2	1587016172	. 100	
16	44AHJDORF014	3	62436521	92	
17	44AHJDORF015	1	1540315645	80	
18	44AHJDORF016	-1	1561615852	78	
19	44AHJDORF017	-2	1053610757	73	
20	44AHJDORF018 44AHJDORF019	-1	8861098	70	•
22			96309836	68	
23	44AHJDORF121 44AHJDORF020	-1	1616516362	65	
24	44AHJDORF123	2	1386514053	62 60	
25	44AHJDORF021	-2	614796 56345816	60	
26	44AHJDORF023	-2	63156494	59	
27	44AHJDORF024	1	1427514451	58	
28	44AHJDORF025	-3	1499915175	58	
29	44AHJDORF026	-3	1442614593	55	
30	44AHJDORF027	1 1	1291613080	54	
31	44AHJDORF029	-1	1501915183	54	* ***
32	44AHJDORF028	-3	90719235	54	
33	44AHJDORF030	3	1448714648	53	
34	44AHJDORF031	2	1103911191	50	
35	44AHJDORF135	3	693842	49	
36	44AHJDORF033	-1	36463795	49	
37	44AHJDORF032	-2	93069455	. 49	
38	44AHJDORF034	-3	1400014146	48	
39	44AHJDORF035	-3	1381113957	48	
40	44AHJDORF036	-3	1001910165	48	
41	44AHJDORF022	-3	84688611	47	
42	44AHJDORF037	1	1478814931	47	
43	44AHJDORF038	-2	35283671	47	
44	44AHJDORF039	3	17431883	46	
45	44AHJDORF040	2	97409877	45	
46	44AHJDORF041	2	1583615973	45	
47	44AHJDORF042	-1	50145151	45	
48	44AHJDORF043	-1	44024539	45	
49	44AHJDORF044	-2	1278312917	44	
50	44AHJDORF149	-2	639770	43	
51	44AHJDORF046	1	48915019	42	
52	44AHJDORF047	1 1	1191112039	42	<u> </u>
53	44AHJDORF045	2	1065510783	42	
54	44AHJDORF048	-3	1521215340	42	
55	44AHJDORF049	3	57845909	41	ļ
56	44AHJDORF050	3	1315813283	41	·
57	44AHJDORF051	-2	1094411066	40	
58	44AHJDORF052	-3	1421614338	40	

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59	44AHJDORF053	3	33483467	39	·
60	44AHJDORF054	3	75517670	39	
61	44AHJDORF055	3	1570515821	38	
62	44AHJDORF056	1	55125625	37	
63	44AHJDORF057	2	1012110231	36	
.64	44AHJDORF058	3	1076710877	36	
65	44AHJDORF164	-1	592702	36	
66	44AHJDORF059	-2	82508360	36	
67	44AHJDORF060	-2	61476257	36	
68	44AHJDORF061	2	1555115658	35	
69	44AHJDORF062	1	42854389	34	
70	44AHJDORF063	-3	93839487	34	
71	44AHJDORF065	1	50295130	. 33	
72	44AHJDORF064	2	26092710	33	
73	44AHJDORF066	-2	1038010481	33	

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3789 atggcatataatgaaaacgattttaaatattttgatgacattcgtccatttttagacgaaatttataaaacgagagaacgttat M A Y N E N D F K Y F D D I R P F L D E I Y K T R E R Y 1 3873 acaccgttttacgatgatagagcagattataatactaattcaaaatcatattatgattatatttcaagattatcaaaactaatt T P F Y D D R A D Y N T N S K S Y Y D Y I S R L S K L I 29 3957 gaagtattagcacgtcgtatttgggactatgacaatgaattaaaaaaacgtttcaaaaattgggacgacttaatgaaagcattt 57 E V L A R R I W D Y D N E L K K R F K N W D D L M K A F 4041 ccagagcaagcgaaagacttatttagaggttggttaaacgacggtacgattgacagtattattcatgacgagtttaaaaaatat P E Q A K D L F R G W L N D G T I D S I I H D E F K K Y 85 4125 SD-138950.1

 $S \quad A \quad G \quad L \quad T \quad S \quad A \quad F \quad A \quad L \quad F \quad K \quad V \quad T \quad E \quad M \quad K \quad Q \quad M \quad N \quad D \quad F \quad K \quad S \quad E \quad V \quad K \quad D$ 113 4209 $\verb|ttaattaaagatattgaccgtttcgttaatgggtttgaattaaatgagcttgaaccaaagtttgtgatgggctttggtggtatt|$ LIKDIDRFVNGFELNELEPKFVMGFGGI 141

 $\verb|cgcaacgcagttaaccaatctattaatattgataaagaaacaaatcacatgtactctacacaatccgattctcaaaaacctgaa$ 169 R N A V N Q S I N I D K E T N H M Y S T Q S D S Q K P E 4377 $\tt ggtttttggataaataaattaacacctagtggtgacttaatttcaagcatgcgtattgtacagggtggtcatggtacaacaatc$ G F W I N K L T P S G D L I S S M R I V Q G G H G T T 197 4461 ggattagaacgtcaatccaatggtgaaatgaaaatctggttacatcacgatggtgttgcaaaactgttacaagtcgcatataaa G L E R Q S N G E M K I W L H H D G V A K L L Q V A Y K 225 4545 D N Y V L D L E E A K G L T D Y T P Q S L L N K H T F T. 253 4629 P L I D E A N D K L I L R F G D G T I Q V R S R A D V K aatcacattgataatgtagaaaaagaaatgacaattgataattcagaaaacaatgataatcgttggatgcaaggcattgctgtt 4713 N H I D N V E K E M T I D N S E N N D N R W M Q G I A V 309 4797 gatggtgatgatttatactggttaagtggtaacagttcagttaattcacatgttcaaatcggtaaatattcattaacaacaggt 337 D G D D L Y W L S G N S S V N S H V Q I G K Y S L T T G 4881 caaaagatttatgattatccatttaagttatcatatcaagacggtattaatttccccacgtgataactttaaagagcctgagggt 365 Q K I Y D Y P F K L S Y Q D G I N F P R D N F K E P E G 4965 I C I Y T N P K T K R K S L L L A M T N G G G G K R F H 5049 aatttatatggtttcttccaacttggtgagtatgaacactttggaagcattacgcgcaagaggttcacaaaaactataaattaaca 421 N L Y G F F Q L G E Y E H F E A L R A R G S Q N Y K L T 5133 K D D G R A L S I P D H I D D L N D L T Q A G F Y Y I D 5217 G G T A E K L K N M P M N G S K R I I D A G C F I N V Y 5301 P T T Q T L G T V Q E L T R F S T G R K M V K M V R G M 505 5385 TLDVFTLKWDYGLWTTIKTDAPYQEYLE 533 5469 gcaagtcaatacaataactggattgcttatgtaacaacagctggtgagtattacattacaggtaaccaaatggaattatttaga A S Q Y N N W I A Y V T T A G E Y Y I T G N Q M E L F R 5553 gacgcgccagaagaaattaaaaaagtgggtgcatggttacgtgtgtcaagtggtaacgcagtcggtgaagtaagacaaacatta D A P E E I K K V G A W L R V S S G N A V G E V R Q T L 5637 gaggctaatatatcggaatataaagaattcttcagtaatgttaatgcggaaacaaaacatcgtgaatatggttgggtagcaaaa E A N I S E Y K E F F S N V N A E T K H R E Y G W V A K 5721 catcaaaaatag 5732 нок *

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atgagaaagttaacgaattttaagtttttctataacacaccgtttacagactatcaaaacacgattcattttaatagtaataaa M R K L T N F K F F Y N T P F T D Y Q N T I H F N S N K 1 6710 gaacgtgatgattattttttaaatggtcgtcattttaaatcgttagactattcaaaacaaccgtataattttatacgtgataga 29 E R D D Y F L N G R H F K S L D Y S K Q P Y N F I R D R 6794 atggaaatcaatgttgatatgcagtggcatgacgcacaaggtattaactacatgacgtttttatcagattttgaggatagaaga 57 M E I N V D M Q W H D A Q G I N Y M T F L S D F E D R R 6878 85 6962 acacaagggaatgtattagagcaactctcaaacgtcaatattgaacgtcaacatttatcaaaacgcacgtataactatatgtta 113 T Q G N V L E Q L S N V N I E R Q H L S K R T Y N Y M L 7046 141 P M L R N N D D V L K V S N K N Y V Y N Q M Q Q Y L E N $\verb|ttagtattattccagtcaagcgctgatttatcaaagaaatttggtactaaaaaagagccaaacttagatacgtcaaaaggtacg|$ 7130 169 LVLFQSSADLSKKFGTKKEPNLDTSKGT 7214 197 7298 tatccatggattacgcaaaactttcaaaaggttcaaatgttacctaaagactttattaatacaaaagacttagaggacgttaaa 225 Y P W I T Q N F Q K V Q M L P K D F I N T K D L E D V K 7382 accagtgaaaaaattacaggattaaaaacattaaaacagggtggtaaatcaaaagaatggagtctaaaagatttatcattaagt 253 T S E K I T G L K T L K Q G G K S K E W S L K D L S L S 7466 ttctcaaatcttcaagagatgatgttatctaaaaaagatgaatttaaacatatgatacgtaatgagtatatgacaattgaattt 281 F S N L Q E M M L S K K D E F K H M I R N E Y M T I E F 7550 tatgactggaatggaaatacgatgttactcgacgctggtaagatttcacaaaaaactggtgttaagttacgtacaaaatcaatt Y D W N G N T M L L D A G K I S Q K T G V K L R T K S I 309 7634 attggttatcataatgaagttcgagtatatccagtagattataacagtgctgaaaacgacagaccaatactcgctaaaaataaa 337 I G Y H N E V R V Y P V D Y N S A E N D R P I L A K N K 7718 gaaatattgattgatacgggttcattcttaaatacaaatataacatttaatagttttgcacaagtaccaatattaatcaataat 365 EILIDTGSFLNTNITFNSFAQVPILINN 7802 393 G I L G Q S Q Q A N R Q K N A E S Q L I T N R I D N V L SD-138950.1

7886 aatggtagcgacccgaaatcacgcttttatgacgctgtgagtgtagcaagtaatttaagtccaactgctttatttggtaagttt NGSDPKSRFYDAVSVASNLSPTÄLFGKF aatgaagaatataatttetacaaacaacaacaagetgaatataaagatttageettacaaccaecttetgtaactgaatcagaa, 7970 449 N E E Y N F Y K Q Q Q A E Y K D L A L Q P P S V T E S E 8054 atgggcaacgcattccaaattgcgaatagcattaacggtttaacgatgaaaattagtgtaccgtcacctaaagaaattacattt 477 M G N A F Q I A N S I N G L T M K I S V P S P K E I T F 8138 ttacaaaaatattatatgttgtttggttttgaagtgaatgactataattcatttattgaaccaattaacagtatgactgtttgc 505 L Q K Y Y M L F G F E V N D Y N S F I E P I N S M T V C 8222 aattatttaaaatgtacaggtacgtatactatacgtgacatcgaccccatgttaatggaacaattaaaagcaattttagaatct 533 NYLKCTGTYTIRDIDPMLMEQLKAILES 8306 ggtgtaagatttttggcataatgacggttcaggtaatccaatgttacaaaatccattaaataacaaatttagagaggggtataa 8389 561 G V R F W H N D G S G N P M L Q N P L N N K F R E G V *

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13890 M V K Q N R L D M V R D Y Q N A V N H V R K K I P D K Y 13806 aatcaaatagaattagttgatgaacttatgaatgatgatatagattattatatatctatttcaaaccgttctgatggaaaatcg 29 N Q I E L V D E L M N D D I D Y Y I S I S N R S D G K S 13722 $\tt ttcaactatgtttcatttttatttagctattaaacttgatataaaatttactttattatcacgtcattatacattacgt$ F N Y V S F F I Y L A I K L D I K F T L L S R H Y T L R 57 13638 gacgcttaccgtgattttattgaagaaatcatagatgaaaatccactatttaaatcaaaacgtgtcacgttcagaagtgctagg 85 DAYRDFIEEIIDENPLFKSKRVTFRSAR 13554 gactatttagctattatctatcaagataaagaaattggtgtgattacagatttgaatagtgccactgatttaaaatatcattct D Y L A I I Y Q D K E I G V I T D L N S A T D L K Y H S 113 13470 aactttttaaaacactatcctattattatatatgatgagtttttagcacttgaagatgattatttaattgatgagtgggataag 141 NFLKHYPIII Y DEFLALEDDY LIDEW DK 13386 L K T I Y E S I D R N H G N V D Y I G F P K M F L L G N 13302 gcagtcaacttttcaagtcctatattatccaatttaaatatatacaatttattacaaaagcataaaatgaatacatcaagactt 197 A V N F S S P I L S N L N I Y N L L Q K H K M N T S R L 13218 Y K N I F L E M R R N D Y V N E K R N T R A F N S N D D 13134 253 A M T T G E F E F N E Y N L A D D N L R N H I N Q N G D SD-138950.1

F F Y I K T D D K Y I K V M Y N V T T F M T N I I V V P 12966 tatacaaaacaatatgaattttgtactaaaattagggatatagacaatcatgttacctatttacgtgatgatgttttataaa 309 Y T K Q Y E F C T K I R D I D N H V T Y L R D D M F Y K 12882 gaaaacatggaacgttattactacaatccaagcaatttacattttgacaatgcttactctaaaaattacgtggttgataatgat ENMERYYYN PSNLHFDNAYSKNY V V D N D 337 12798 RYLYLDMNKIIKFHIKNEMKKNMSEFER 365 12714 aaagaaaaaatatacgaagataactatatagagaatacgaaaaagtatctaatgaaacaatatggcttataa 12643 K E K I Y E D N Y I E N T K K Y L M K Q Y G L,*

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803 $\verb|atggcacaaccaatctacaaaaaatgaaactgcacttttagtagcaaagtcagctaaatcagcgttacaagattttaatcatgat|$ M A Q Q S T K N E T A L L V A K S A K S A L Q D F N H D 887 Y S K S W T F G D K W D N S N T M F E T F V N K Y L F P aagattaatgagactttattaatcgatattgcattaggtaatcgttttaattggttagctaaagagcaagattttattggacaa 971 INETLLIDIALGNRFNWLAKEQDFIGQ tatagtgaagaatacgtgattatggacacagtaccaattaacatggacttatctaaaaaatgaggaattaatgttgaaacgtaat 1055 Y S E E Y V I M D T V P I N M D L S K N E E L M L K R N 85 tatccacgtatggcaactaagttatatggtaacggaattgtgaagaaacaaaaattcacattaaacaacaatgatacacgtttc 1139 Y P R M A T K L Y G N G I V K K Q K F T L N N N D T R F 113 1223 aatttccaaacattagcagacgcaactaattacgctttaggtgtatacaaaaagaaaatttctgatattaatgtattagaagaa 141 N F Q T L A D A T N Y A L G V Y K K I S D I N V L E E 1307 aaagaaatgcgtgcaatgttagttgattactcattgaatcaattatccgaaacaaatgtacgtaaagcaacatcaaaagaagat KEMRAML V D Y S L N Q L S E T N V R K A T S K E D 169 1391 ttagcaagcaaagtttttgaagcaatcctaaacttacaaacagtgctaaatataatgaagtacatcgtgcatcaggtggt L A S K V F E A I L N L Q N N S A K Y N E V H R A S G G 197 1475 gcaattggacaatatacaactgtatcaaaattaaaagatattgtgattttaacaacagattcattaaaatcttatcttttagat A I G Q Y T T V S K L K D I V I L T T D S L K S Y L L D 225 1559 ${\tt actaagattgcaaacacattccagattgcaggcattgatttcacagatcacgttattagttttgacgacttaggtggcgtgttt}$ 253 T K I A N T F Q I A G I D F T D H V I S F D D L G G V F 1643 281 K V T K E F K L O N O D S I D F L R A Y G D Y O S O L G 1727 gatacaattccagttggtgctgtatttacttatgatgtatctaaacttaaagagtttactggcaacgttgaagaaattaaacca D T I P V G A V F T Y D V S K L K E F T G N V E E I K P 309 1811 aaatcagatttatatgcgtttatttttggatattaattcaattcaattaaacgttacacaaaaggtatgttaaaaccaccattc 337 K S D L Y A F I L D I N S I K Y K R Y T K G M L K P P F 1895 $\verb|cataaccctgaatttgatgaagttacacactggattcattactattcatttaaagccattagtccattcttaaaaatttta|\\$ H N P E F D E V T H W I H Y Y S F K A I S P F F N K I L 365 1979 attactgaccaagatgtaaatccaaaaccagaggaagaattacaagaataa 2029 393 I T D Q D V N P K P E E L Q E *

44AHJDORF007

2044 $\verb|atgaacaacgataaaagaggtttaaacgttgagttatcaaaggaaatcagcaaaagagttgttgaacatcgcaacagatttaaa|$ M N N D K R G L N V E L S K E I S K R V V E H R N R F K 2128 cgtcttatgtttaatcgttatttggaatttttaccgctactaatcaactataccaatcgtgatacggttggtatagattttatt R L M F N R Y L E F L P L L I N Y T .N R D T V G I D F I ${\tt cagttagaatcagctttaagacaaaacattaatgtagttgttggtgaagctagaaataagcaaattatgattcttggttatgta}$ 2212 57 Q L E S A L R Q N I N V V V G E A R N K Q I M I L G Y 2296 aataacacttactttaatcaaqcaccaaatttttcatcaaactttaatttccaatttcaaaaacqattaactaaaqaaqatata 85 N N T Y F N Q A P N F S S N F N F Q F Q K R L T K E D I 2380 tattttattgtacctgactatttaatacctgatgattgtctacaaattcataagctatatgataactgtatgagtggtaacttt 113 Y F I V P D Y L I P D D C L Q I H K L Y D N C M S G N F gttgtcatgcaaaataaaccaattcaatataatagtgatatagaaattatagaacattatactgatgaattagcagaagttgct 2464 141 V V M Q N K P I Q Y N S D I E I I E H Y T D E L A E V A 2548 L S R F S L I M Q A K F S K I F K S E I N D E S I N Q L 169 2632 gtgtccgaaatatataacggtgcaccatttgttaaaatgtcacctatgtttaatgcagatgacgatatcattgatttaacaagt 197 V S E I Y N G A P F V K M S P M F N A D D D I I D L T S 2716 aatagcgtaatcccagcattaactgaaatgaaacgggaatatcaaaacaaaattagtgaattaagtaactatttaggcattaat 225 N S V I P A L T E M K R E Y Q N K I S E L S N Y L G I N 2800 tcattagccgttgataaagaaagcggtgtttcagacgaagaggcaaaaagtaatcgtggatttaccacatcaaacagtaatatc 253 S L A V D K E S G V S D E E A K S N R G F T T S N S N I 2884 tatttaaaaggtcgtgaaccaattacgtttttatcaaagcgttatggtttagatattaaaccgtattacgatgatgaaacaacg Y L K G R E P I T F L S K R Y G L D I K P Y Y D D E T T 2968 tctaaaatatcaatggtagacacactttttaaagatgaaagcagtgatataaatggctag 3027 S K I S M V D T L F K D E S S D I N G 309

 $\verb|atggctag| at a caca at gactttatac gatttcatta a at caga at tgatta a a a aggttt ca at ga at ttgta a at gatta at the same of the same of$ 1 M A R Y T M T L Y D F I K S E L I K K G F N E F V N D N 3104 aaattaacgttttatgatgatgaatttcaattcatgcaaaaaatgctgaagttcgacaaagacgttttagctatcgttaatgaa 29 K L T F Y D D E F Q F M Q K M L K F D K D V L A I V N E 3188 57 K V F K G F S L K D E L S D L L F K K S F T I H F L D R 3272 EINRQTVEAFGMQVITVCITHEDYLNV 85 3356 tattcatcaagtgaagttgaaaaatacttacaatcacaaggcttcacagaacacaatgaagatacaacaagtaacaactgatgaa 113 Y S S S E V E K Y L Q S Q G F T E H N E D T T S N T D E 3440 acatcgaatcaaaatgctacatctttagacaattcaactggcatgactgcaaacagaaacgcttatgtgtcattaccacaaagt T S N Q N A T S L D N S T G M T A N R N A Y V S L P Q S 141 3524 gaggttaacattgatgttgataatacaacgttacgattcgctgataataatacgattgataacggtaaaactgtgaataaatcg E V N I D V D N T T L R F A D N N T I D N G K T V N K S 169 3608 agtaacgaaagtaatcaaaacgcaaaacgtaatcaaaatcaaaaaggtaatgcaaaaggtacacaattcactaagcagtattta 197 S N E S N Q N A K R N Q N Q K G N A K G T Q F T K Q Y L 3692 I D N I D K A Y D L R K K I L N E F D K K C F L Q I W 225

44AHJDORF009

atgaaatcacaacaacaagcaaaagaatggatatataagcatgagggggcaggtgttgactttgatggtgcatatggatttcaa 5744 M K S Q Q A K E W I Y K H E G A G V D F D G A Y G F Q 5828 29 C M D L S V A Y V Y Y I T D G K V R M W G N A K D A I N 5912 aatgactttaaaggtttagcgacggtgtataaaaatacaccgagctttaaacctcaattaggggacgttgctgtatatacaaat N D F K G L A T V Y K N T P S F K P Q L G D V A V Y T N 57 5996 85 G Q Y G H I Q C V L S G N L D Y Y T C L E Q N W L G G G 6080 tttgacggttgggaaaaagcaaccattagaacacattattatgacggtgtaactcactttattagacctaaattttcaggtagt FDGWEKATIRTHYYDGVTHFIRPKFSGS 113 6164 aatagcaaagcattagaaacatcaaaaagtaaatacatttggaaaatggaaacgaaaccaatacggcacatattatagaaatgaa 141 N S K A L E T S K V N T F G K W K R N Q Y G T Y Y R N E 6248 aatggtacatttacatgtggttttttaccaatatttgcacgtgtcggtagtccaaaattatcagaacctaatggctattggttc 169 NGTFTCGFLPIFARVGSPKLSEPNGYWF 6332 caaccaaacggttatacaccatataacgaagtttgtttatcagatggttacgtatggattggttataactggcaaggcacacgt Q P N G Y T P Y N E V C L S D G Y V W I G Y N W Q G T R 197 6416 tattatttaccagtgcgccaatggaatggaaaaacaggtaatagttacagtgttggtattccttggggggtgttctcataa 6496 225 Y Y L P V R Q W N G K T G N S Y S V G I P W G V F S *

44AHJDORF010

LVRHTSEMDRWKKEREARKEQEKDLFLN 1 14336 gattttagtaatgttaattttaaatttgatgataaagatttacaagaggcgtacattgacacatggaaacattttgcacatctg DFSNVNFKFDDKDLQEAYIDTWKHFAHL $\verb|ccctattttcctaaagaaagaaacgtatcatatgtaaatgctgtatcattggtaagaggttcaagacataaaaaattaaattat|$ 14252 PYFPKERNVSYVNAVSLVRGSRHKKLNY 14168 attettgaaatatataaccgtaatgattettaataataaaaacgetaaaaageataaatacgetttatataatttacaaget I L E I Y N R N D D S N N K N A K K H K Y A L Y N L Q A 14084 aaaaataattattcttcaatgtataaatatattaaagaaatcgatactttatataaagaaattggtaaatcagatagaccagtg K N N N S S M Y K Y I K E I D T L Y K E I G K S D R P V 113 14000 acaaatattgatgatgaagatgtgaggtataactttttatattatgcaacatttgacgaataa 13938 141 T N I D D E D V R Y N F L Y Y A T F D E *

44AHJDORF011

15593 1 MTNVKDILSRHQNTLARFEFEEKEREFI 29 15425 57 G E Q G V I V T D D Y N V N L P N H L T E L I K E M R A 15341 gatgaggacgttgttgacattatcaatgctggagaagttcaattcacaatttatgaatatgaaaacaaaaaggtcaaaaaggt D E D V V D I I N A G E V Q F T I Y E Y E N K K G Q K G 15257 tactcaatcaattttggtcaagtatcattttaa 15225 YSINFGQVSF *

44AHJDORF012

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M N E V K F R F T D S E A F H M F I Y A G D L K L L Y F

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L F V L M F V D I I T G I S K A I K N N N L W S K K S M

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M K I K T T F R L N N L I Y Y L L T N R D Y Y N D K F E 14912 29 K F T S S N K K C I V K I N M G D V Y I E F D K Q Y D D tttgaaattgaaaaagagttatttacgttagatatcgacattgatattaaaaacatgtttttaatatacttgtattttattat 14828 57 FEIEKELFTLDIDIKKHVFNILVFYY 14744 RNYLSNELIREILLNVTIDDVLSNFDKP 85 14660 cttgaaagcgaattaatgattatttatcaaaacaaagtcatatacgataatgggaaagtgattgaccatgaataa 14586 LESELMIIYQNKVIYDNGKVIDHE*

44AHJDORF113

199 atgacagaatttgatgaaatcgtaaaaccagacgacaaagaagaaacttcagaatcaactgaagaaaatttagaatcaactgaa M T E F D E I V K P D D K E E T S E S T E E N L E S T E 283 gaaacttcagaatcaactgaagaatcaactgaagaatcaactgaagaatcaactgaagataaaacagtagaaacaatcgaagaa 29 E T S E S T E E S T E E S T E D K T V E T I E E $\tt qaaaatgaaaacaaattagaacctactacaacagatgaagatagttcgaaatttgaccctgttgtattagaacaacgtattgct$ 367 57 ENENKLEPTTTDEDSSKFDPVVLEQRIA 451 85 gaatcaaacaaagaagataacgactattcagatgaagaactagttgataagttagatttagattag 600 E S N K E D N D Y S D E E L V D K L D L D * 113

44AHJDORF114

44AHJDORF014

44AHJDORF015

44AHJDORF016

44AHJDORF017

10757 atggaaagattaaaattgcttctgctggtataccgaaaaacgcctttgatacaagcgtcgattttgaaacctttgtacgtgaac

1 MERLKLLLVYRKTPLIQASILKPLYVN

10673 aattctttgacggtgccattattgaaaacaataaaagtatctataatgagcaaggtacaatatcgatatatccgtctaaaactg

SD-138950.1

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29 N S L T V P L L K T I K V S I M S K V Q Y R Y I R L K L 10589 aaattgtatgtggtaatgtatatgatgaatattttactgatgaacttaatatga 10536
57 K L Y V V M Y M M N I L L M N L I *
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- 57 FELSHLSPNVQDFE*

44AHJDORF019

44AHJDORF121

- $16362 \quad \text{atggaaatgaaacaaaaacattgagttgaagcatgtttttcgttttaagaatggaagtttatgtatagcgttatttgataga} \\ 1 \quad \text{M} \quad \text{E} \quad \text{N} \quad \text{E} \quad \text{T} \quad \text{K} \quad \text{N} \quad \text{I} \quad \text{E} \quad \text{L} \quad \text{K} \quad \text{H} \quad \text{V} \quad \text{F} \quad \text{R} \quad \text{F} \quad \text{K} \quad \text{N} \quad \text{G} \quad \text{S} \quad \text{L} \quad \text{C} \quad \text{I} \quad \text{A} \quad \text{L} \quad \text{F} \quad \text{D} \quad \text{R} \\ 16278 \quad \text{acagaaaatgaaatttcattttatgatgttgacattgatgaaattgaagatttaaatcataattctgttttacgcgtaatttca} \\ \end{aligned}$
- 29 TENEISFYD V DIDEIEDLNHNS V LR V I S
- 16194 actttattaggaagtgataataatggttaa 16165
- 57 T L L G S D N N G *

44AHJDORF020

44AHJDORF123

- 57 V E E E *

44AHJDORF021

atgcaccatcaaagtcaacactgcccctcatgcttatatatccattcttttgcttgttgttgttgttgttattatatcactc

M H H Q S Q H L P P H A Y I S I L L L V V V I S F I S L

ctatttttgatgttttgctacccaaccatattcacgatgttttgtttccgcattaacattactgaagaattctttatattccga

L F L M F C Y P T I F T M F C F R I N I T E E F F I F R

tatattagcctctaa 5634

Y I S L *

44AHJDORF022

atgtttgctaaaatgataatacagaatatcaataattttttagaaaatcctctcattgatttttttgaccataagttattattt

M F A K M I I Q N I N N F L E N P L I D F F D H K L L F

8527 ttaattgcttttgaaatacctgtaataatatcaacgaacattaatacaaataaaagtag 8468

29 L I A F E I P V I I S T N I N T N K K *

44AHJDORF023

44AHJDORF024

14275 gtgtcaatgtacgcctcttgtaaatctttatcatcaaatttaaaaattaacattactaaaatcatttaaaaataaatcttttct

V S M Y A S C K S L S S N L K L T L L K S F K N K S F S

14359 tgctcttttctagcttcttttttttccatctatccatttcagacgtatgtctaaccaatgttatcaacctccatataaag

29 C S F L A S L S F F H L S I S D V C L T N V I N L H I K

14443 cataaataa 14451

SD-138950.1

57 H K *

44AHJDORF025

- 15175 atggaacgtaaatacaaaacggtattattatattgcgatgagattaaaggacattttccacatcaaatctcaatgtttgaagat
- M E R K Y K T V L L Y C D E I K G H F P H Q I S M F E D
- 15091 ttatatgacgctaaagttgtatattcatattatgaatataacctgttcactaaaaaatacgcgtatatcatagaatacattaaq
- LYDAKVVYSYYEYNLFTKKYAYIIEYIK 29 -15007
- gagatataa 14999

44AHJDORF026

- 14593 atgaataacctattaaacatagccattgttttccttttagcatttttaattacacttatcatacttatgacactgcatatacgc
- M N N L L N I A I V F L L A F L I T L I I L M T L H I R
- 14509 V S F G V L F T T L I I F Y I I F L M V I Y A L Y G G * 29
- 44AHJDORF027
- 12916 atgattgtctatatccctaattttagtacaaaattcatattgttttgtatatggtacaacgataatatttgtcataaaagtagt
- MIVYIPNFSTKFILFCIWYNDNICHKSS

44AHJDORF029

- 15183 gtgtttaaatggaacgtaatacaaacggtattattatattgcgatgagattaaaggacattttccacatcaaatctcaatgt
- V F K W N V N T K R Y Y Y I A M R L K D I F H I K S Q C
- 15099 ttgaagatttatatgacgctaaagttgtatattcatattatgaatataacctgttcactaaaaaatacgcgtatatcatag 15019
- L K I Y M T L K L Y I H I M N I T C S L K N T R I S *

44AHJDORF028

- atggaatatatgcacgtccaattgtacctgctttcatattttttgcaaaatctgcattaccttttctttgtacgtcttgtggta
- MEYM-HVQLYLLSYFLQNLHYLFFVRLVV
- 9151 caaagtggacgatgttacctgcgtcataccaagacggttgtccagcttgttttgattgtgatactaactttcttgctatga 9071
- Q S G R C Y L R H T K T V V Q L V L I V I L T F L L *

44AHJDORF030

- gtgaataaaacaccaaatgacacgcgtatatgcagtgtcataagtatgataagtgtaattaaaaatgctaaaaggaaaacaatg
- V N K T P N D T R I C S V I S M I S V I K N A K R K T M
- 14571 A M F N R L F M V N H F P I I V Y D F V L I N N H *

44AHJDORF031

- 11039 atgatattgtatagttcattgttatcatctaaacggaataagttaaaatgtgaacgtaatgcaggtatgccatataatccattt
- M I L Y S S L L S S K R N K L K C E R N A G M P Y N P F 11123 aaaacgactttagataacataacctcctcatttgagtatgggtgttcgttgatatcatcagtaatgtga 11191
- K T T L D N I T S S F E Y G C S L I S S V M \star

44AHJDORF135

- 693
- M K T C Q L I Q I K V K I V M V Y K F I H F Q N N H L Q
- 777 gtgacgttgaggaggaataataaattatggcacaacaatctacaaaaatgaaactgcacttttag 842
- V T L R R N N K L W H N N L Q K M K L H F 29

44AHJDORF033

- atgccattatttaaccacctctaccaaatttgtaaaaaacattttttatcaaattcatttaaaaattttctttcttaaatcgtac
- 1 M P L F N H L Y Q I C K K H F L S N S F K I F F L K S Y
- gctttatcaatattatcaattaaatactgcttagtgaattgtgtaccttttgcattacctttttga 3646 A L S I L S I $_{\rm L}$ K Y C L V N C V P F A L P F * 3711
- 29

44AHJDORF032

- 9455
- M A C F A K A S S E L P L S P L L P L S D E S L G D P P
- 9371 ttaccgtctaatttaccaccccaagctagaatagtattcgcaccgtctaaaaatggattaccatag 9306
- L P S N L P P Q A R I V F A P S K N G L P *

44AHJDORF034

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- M M I L I I K T L K S I N T L Y I I Y K L K I I I L Q C 14062 ataaatatattaaagaaatcgatactttatataaagaaattggtaaatcagatagaccagtga 14000
- INILKKSILYIKKLVNQIDQ *

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44AHJDORF035
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FRHGKRLSKCCQSCQKKNPR*
44AHJDORF036
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10081
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29
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3671
     V Y L L H Y L F D F D Y V L R F D Y F R Y S I Y S Q F Y
3587
     cgttatcaatcgtattattatcagcgaatcgtaacgttgtattatcaacatcaatgttaa 3528
29.
     R Y Q S Y Y Y Q R I V T L Y Y Q H O C *
44AHJDORF039
1743
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1
     V L Y L L M M Y L N L K S L L A T L K K L N Q N Q I Y M
1827
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     RLF WILIQLNINVTQKVC
29
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9740
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     V V T G H M H S Y Q K N I K K Q L V Y L Y S K K N T Y T
9824
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44AHJDORF041
\textbf{15836} \quad \textbf{atgtcgtcaactttcattattatatcactcctttctaaaaaacgttatacgtttcataaaatcctttatgcatattcc}
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5067
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4455
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M L T L K I T W L I M I D I Y I *
29
44AHJDORF149
770
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1
686
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29

4891 atgattatccatttaagttatcatatcaagacggtattaatttcccacgtgataactttaaagagcctgagggtatttgcattt

M I I H L S Y H I K T V L I S H V I T L K S L R V F A F

4975 atacaaatccaaaacgaaaaggtaaatcgttattacttgctatga 5019

4975 atacaaatccaaaaacaaaacgtaaatcgttattacttgctatga 5019 29 I Q I Q K Q N V N R Y Y L L *

LFVYLILNLHMMYPS

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10739
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5868
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13242
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     A F V I N C I Y L N W I I *
29
44AHJDORF051
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10982
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     V H C I T Y W F L S N T *
44AHJDORF052
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     CPIFLKKETYHM *
29
44AHJDORF053 .
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1
3432
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     LMKHRIKMLHL *
29
44AHJDORF054
7551
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1
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7635
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29
     LVIIMKFEYIQ
44AHJDORF055
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     M C L V I I L L V F W L N D T R E V V K I P Q C I H Y
. 1
     catcatctaagtaatgaagtatataacctttga 15821
15789
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44AHJDORF056
     \tt gtgagtattacattacaggtaaccaaatggaattatttagagacgcgccagaagaaattaaaaaagtgggtgcatggttacgtg
5512
     V S I T L Q V T K W N Y L E T R Q K K L K K W V H G Y V
5596
     tgtcaagtggtaacgcagtcggtgaagtaa 5625
29
     CQVVTQSVK*
44AHJDORF057
10121 \quad \text{atgtaccaccatatgttgcaccatcacgtgtggtattgtatacactcattaatggcgtaccaaataatgctggtgataatattg} \\
     MYHHMLHHVWYCIHSLMAYQIMLVIIL
10205
    tattctttagtggtattgcttaattaa 10231
     YSLVVLLN*
29
```

SD-138950.1

44AHJDORF059

29

8360 atggattttgtaacattggattacctgaaccgtcattatgccaaaatcttacaccagattctaaaattgctttaattgttcca
1 M D F V T L D Y L N R H Y A K I L H Q I L K L L L I V P
8276 ttaacatggggtcgatgtcacgtatag 8250

29 LTWGRCHV*

YMFKFLLI *

44AHJDORF060

atgtaccattttcatttctataatatgtgccgtattggtttcgtttccattttccaaatgtatttacttttgatgtttctaatg

M Y H F H F Y N M C R I G F V S I F Q M Y L L L M F L M

6173 ctttgctattactacctgaaaatttag 6147

29 L C Y Y Y L K I *

44AHJDORF061

44AHJDORF062

4285 gtggtattcgcaacgcagttaaccaatctattaatattgataaagaaacaaatcacatgtactctacacaatccgattctcaaa l V V F A T Q L T N L L I L I K K Q I T C T L H N P I L K 4369 aacctgaaggtttttggataa 4389

29 N L K V F G *

44AHJDORF063

9487 atgogtcttgtattttttttaataattcttgcatggcttgttttgctaaagcgagtagtgaactaccactgtcaccactactac
1 M R L V F F L I I L A W L V L L K R V V N Y H C H H Y Y
9403 cactgtcagacgaatcactag 9383
29 H C Q T N H *

44AHJDORF065

44AHJDORF064

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44AHJDORF066